

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG ELECTRIC LOGS [REDACTED] FILE X WATER SANDS LOCATION INSPE [REDACTED] SUB. REPORT/abd.

314-94051/641/642 970411 Conf. exp. 971219 Equitable to Inland eff. 9-30-97!
981202 Comm WFW, eff 3-18-98!

DATE FILED DECEMBER 1, 1995

LAND: FEE & PATENTED STATE LEASE NO. ML-45555

PUBLIC LEASE NO.

INDIAN

DRILLING APPROVED: JANUARY 3, 1996

SPUDED IN: February 9, 1996

COMPLETED: 5-11-91 PUT TO PRODUCING:

INITIAL PRODUCTION: 99 Bbl, 0 mcf, 9 Bbl.

GRAVITY A.P.I. 34.00

GOR:

PRODUCING ZONES: 4783-4925' HOLE

TOTAL DEPTH: 5850

WELL ELEVATION: 5002' GL

DATE ABANDONED:

FIELD: UNDESIGNATED

UNIT:

COUNTY: UINTAH

WELL NO. MONUMENT STATE 31-2-9-17CD

API NO. 43-047-32563

LOCATION 500 FNL FT. FROM (N) (S) LINE. 1980 FEL

FT. FROM (E) (W) LINE. NW NE

1/4 - 1/4 SEC.

2

TWP.

RGE.

SEC.

OPERATOR

TWP.

RGE.

SEC.

OPERATOR

95

17F

2

Inland Prod. Co.
~~EQUITABLE RESOURCES~~

GEOLOGIC TOPS:

QUATERNARY	Star Point	Chinle	Molas
Alluvium	Wahweap	Shinarump	Manning Canyon
Lake beds	Masuk	Moenkopi	Mississippian
Pleistocene	Colorado	Sinbad	Humburg
Lake beds	Sego	PERMIAN	Brazer
TERTIARY	Buck Tongue	Kaibab	Pilot Shale
Pliocene	Castlegate	Coconino	Madison
Salt Lake	Mancos	Cutler	Leadville
Oligocene	Upper	Hoskinnini	Redwall
Norwood	Middle	DeChelly	DEVONIAN
Eocene	Lower	White Rim	Upper
Duchesne River	Emery	Organ Rock	Middle
Uinta	Blue Gate	Cedar Mesa	Lower
Bridger	Ferron	Halgaita Tongue	Ouray
Green River	Frontier	Phosphoria	Elbert
Horsebench SS 1483	Dakota	Park City	McCracken
2nd Garden gulch 2303	Burro Canyon	Rico (Goodridge)	Aneth
2nd Garden gulch 3938	Cedar Mountain	Supai	Simonson Dolomite
Yellow marker 4542	Buckhorn	Wolfcamp	Sevy Dolomite
Douglas crk. 4706'	JURASSIC	CARBON I FEROUS	North Point
2nd Douglas crk. 4957	Morrison	Pennsylvanian	SILURIAN
Wooden Green mkr. 5104	Salt Wash	Oquirrh	Laketown Dolomite
Stone Green Black Shale 5390	San Rafael Gr.	Weber	ORDOVICIAN
Carbonate 5543	Summerville	Morgan	Eureka Quartzite
Flagstaff	Bluff Sandstone	Hermosa	Pogonip Limestone
North Horn	Curtis		CAMBRIAN
Almy	Entrada	Pardox	Lynch
Paleocene	Moab Tongue	Ismay	Bowman
Current Creek	Carmel	Desert Creek	Tapeats
North Horn	Glen Canyon Gr.	Akah	Ophir
CRETACEOUS	Navajo	Barker Creek	Tintic
Montana	Kayenta		PRE - CAMBRIAN
Mesaverde	Wingate	Cane Creek	
Price River	TRI		
Blackhawk			

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING**CONFIDENTIAL**

APPLICATION FOR PERMIT TO DRILL OR DEEPEN		5. Lease Designation and Serial Number: ML-45555	
		6. If Indian, Allottee or Tribe Name: n/a	
1A. Type of Work: DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		7. Unit Agreement Name: Castle Draw	
B. Type of Well: OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER: <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. Farm or Lease Name: Monument State	
2. Name of Operator: Equitable Resources Energy Company, Balcron Oil Division		9. Well Number: #31-2-9-17 CD	
3. Address and Telephone Number: 1601 Lewis Avenue; Billings, MT 59102		10. Field and Pool, or Wildcat: Monument Butte/Grn.River	
4. Location of Well (Footages) At Surface: NW NE Section 2, T9S, R17E 500' FNL, 1980' FEL At Proposed Producing Zone:		11. Ctr/Ctr, Section, Township, Range, Meridian: NW NE 2, T9S, R17E	
14. Distance in miles and direction from nearest town or post office: From Myton, Utah, approximately 16 miles SW		12. County: Uintah	13. State: UTAH
15. Distance to nearest property or lease line (feet):	16. Number of acres in lease:	17. Number of acres assigned to this well:	
18. Distance to nearest well, drilling, completed, or applied for, on this lease (feet):	19. Proposed Depth: 5,850'	20. Rotary or cable tools: Rotary	
21. Elevations (show whether DF, RT, GR, etc.): GL 5002'		22. Approximate date work will start: February 15, 1996	

23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
See attached Drilling Program/Casing Design				

DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

Operator proposes to drill this well in accordance with the attached EXHIBITS.

As operator, we hereby request that the status of this well be held tight in accordance with State regulations.

ORIGINAL: Utah Division of Oil, Gas and Mining (Salt Lake City, UT)

24.	Regulatory and	
Name & Signature <u>Bobbie Schuman</u> <i>Bobbie Schuman</i>	Title: <u>Environmental Specialist</u>	Date: <u>11-30-95</u>

(space for State use only)

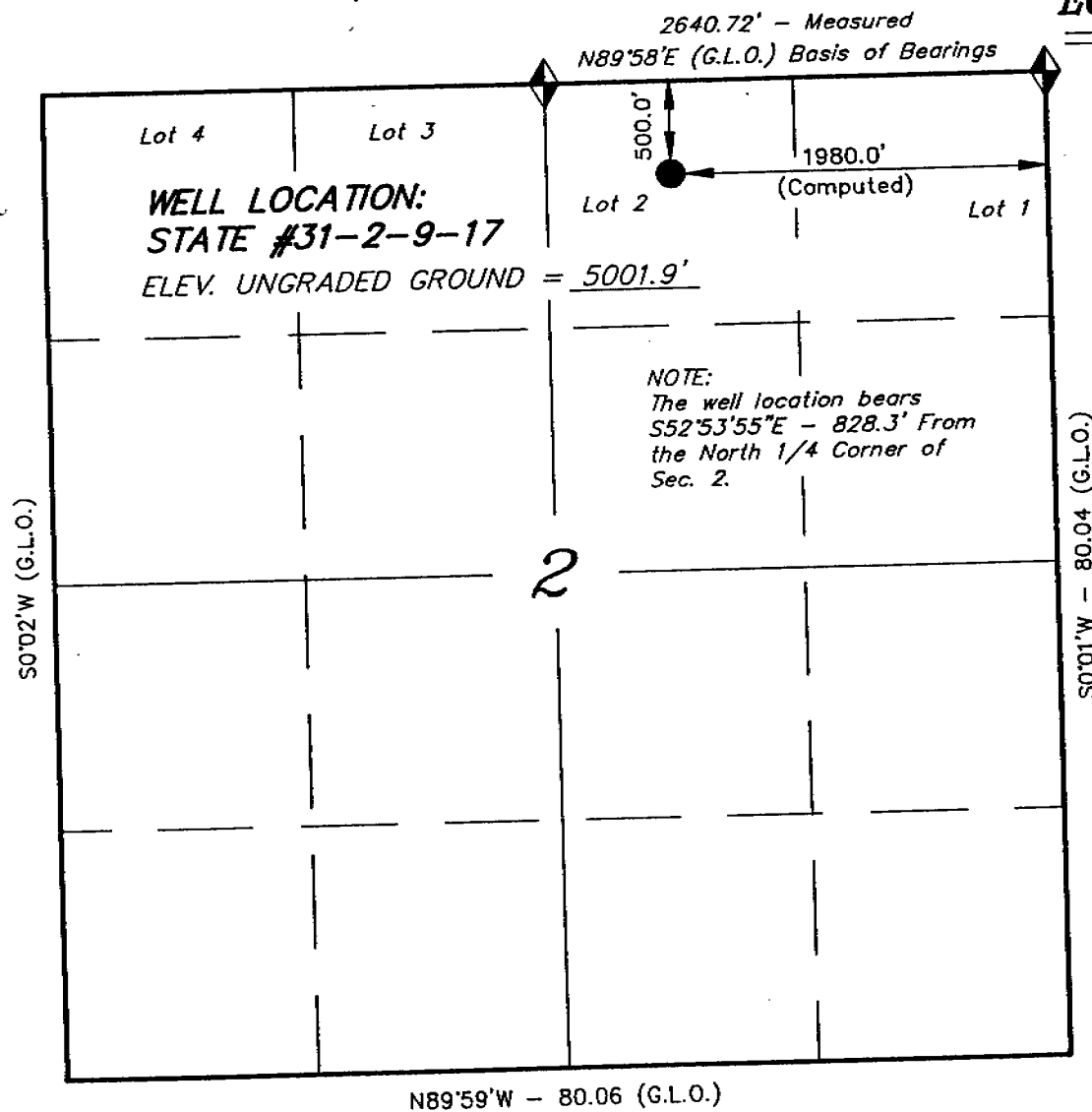
API Number Assigned: 43-047-32563

Approval:

11/3/96
Matthews

T9S, R17E, S.L.B.&M.

EQUITABLE RESOURCES ENERGY CO.



WELL LOCATION, STATE #31-2-9-17,
LOCATED AS SHOWN IN LOT 2 OF SECTION
2, T9S, R17E, S.L.B.&M. UTAH
COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS
MADE BY ME OR UNDER MY SUPERVISION AND THAT
THE SAME ARE TRUE AND CORRECT TO THE BEST OF
MY KNOWLEDGE AND BELIEF.

Dore Stewart
REGISTERED LAND SURVEYOR
REGISTRATION No. 1441022
STATE OF UTAH

TRI STATE LAND SURVEYING & CONSULTING
38 WEST 100 NORTH - VERNAL, UTAH 84078
(801) 781-2501



= SECTION CORNERS LOCATED

BASIS OF BEARINGS; G.L.O. DATED 1909

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (PARIETTE DRAW SW)

SCALE: 1" = 1000'

SURVEYED BY: S.S. G.O. I.M.

DATE: 10-10-95

WEATHER: FAIR

NOTES:

FILE #

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DIVISION OF OIL, GAS AND MINING**CONFIDENTIAL**

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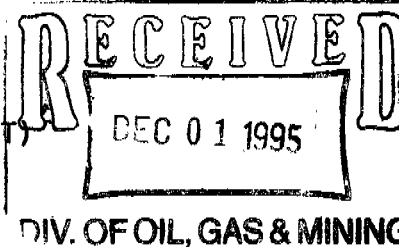
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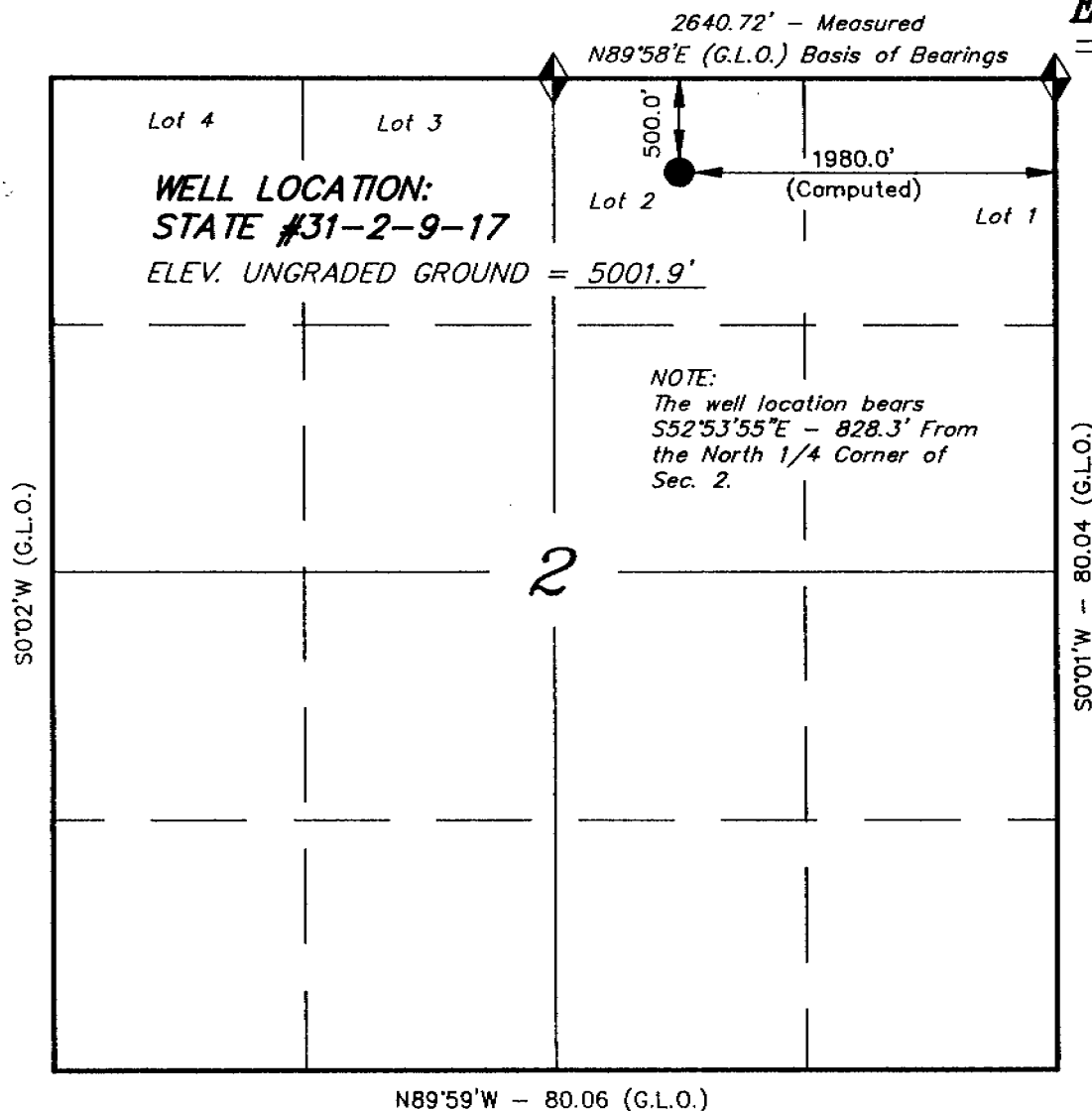
24. Name & Signature: Bobbie Schuman *Bobbie Schuman* Title: Regulatory and Environmental Specialist Date: 11-30-95

(space for State use only)

API Number Assigned: 43-047-32563

Approval: *11/3/96 J. Matthews*

T9S, R17E, S.L.B.&M.

EQUITABLE RESOURCES ENERGY CO.

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SCALE: 1" = 1000'

SURVEYED BY: S.S. G.O. I.M.

DATE: 10-10-95

WEATHER: FAIR

NOTES:

FILE #



EQUITABLE RESOURCES
ENERGY COMPANY

BALCRON OIL DIVISION

1601 Lewis Avenue
Billings, MT 59102

Office: (406) 259-7860

FAX: (406) 245-1365 ☐

FAX: (406) 245-1361 ☒

November 30, 1995

~~ VIA FEDERAL EXPRESS ~~

State of Utah
Division of Oil, Gas and Mining
355 West North Temple
Salt Lake City, UT 84180

Gentlemen:

RE: Monument State #31-2-9-17CD
NW NE Section 2, T9S, R17E
Uintah County, Utah

Enclosed is our Application for Permit to Drill the referenced well. As operator, we hereby request that the status of this well be held tight in accordance with State regulations.

Our Production Supervisor, Dan Farnsworth, will be contacting your representative in the area to set up an onsite inspection of this location.

If you have any questions or need additional information, please give me a call at (406) 259-7860, extension 240.

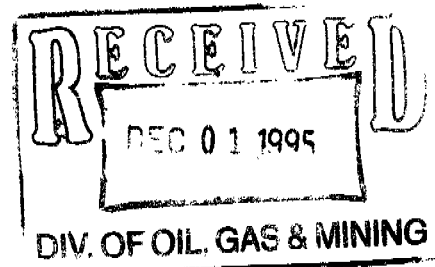
Sincerely,

Bobbie Schuman
Regulatory and
Environmental Specialist

/hs

Enclosure

cc: Dan Farnsworth



EXHIBITS

- A PROPOSED DRILLING PROGRAM
- B PROPOSED SURFACE USE PROGRAM
- C GEOLOGIC PROGNOSIS
- D DRILLING PROGRAM/CASING DESIGN/WELLBORE DIAGRAM
- E HAZMAT DECLARATION
- F EXISTING & PLANNED ACCESS ROADS (MAPS A & B)
- G WELLSITE LAYOUT
- H BOPE SCHEMATIC
- I EXISTING ROADS (MAP C)
- J PROPOSED PRODUCTION FACILITY DIAGRAM
- K SURVEY PLAT
- L LAYOUT/CUT & FILL DIAGRAM

11/30/95
/rs

CONFIDENTIAL

AS OPERATOR, WE HEREBY REQUEST THAT THE STATUS OF THIS WELL BE HELD TIGHT FOR THE MAXIMUM PERIOD ALLOWED BY FEDERAL AND STATE REGULATIONS.

Equitable Resources Energy Company,
Balcron Oil Division
1601 Lewis Avenue
Billings, MT 59102
(406) 259-7860

PROPOSED DRILLING PROGRAM

EQUITABLE RESOURCES ENERGY COMPANY
Balcron Oil Division
Monument State #31-2-9-17CD
NW NE Section 2, T9S, R17E
Uintah County, Utah

In accordance with requirements outlined in 43 CFR 3162-3.1 (d):

1. ESTIMATED IMPORTANT GEOLOGICAL MARKERS:

See Geologic Prognosis (EXHIBIT "C")

2. ESTIMATED DEPTHS OF ANTICIPATED OIL, GAS OR WATER:

See Geologic Prognosis (EXHIBIT "C")

3. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

- a. EXHIBIT "H" is a schematic of the BOP equipment and choke manifold. A 2M system will be used. The BOPE will be installed after setting 8-5/8" casing at 260'. The blind rams and pipe rams will be tested to 1500 psi. Pipe rams will be operationally checked each 24-hour period and blind rams each time pipe is pulled out of the hole.
- b. The BOPE will be tested to 1500 psi when initially installed, whenever any seal subject to test pressure is broken, and following related repairs. The pipe and blind rams will be activated at least weekly and on every trip the pipe and blind rams will be activated.
- c. An accumulator of sufficient capacity to open the hydraulically-controlled choke valve lines (if so equipped), close all rams, and retain a minimum of 200 psi above precharge on the closing manifold without the use of the closing unit pumps will be installed during the drilling of this well.
- d. An upper kelly cock will be used during the drilling of this well.

- e. Visual mud monitoring equipment will be used to detect volume changes indicating loss or gain in circulating fluid volume.
- f. Sufficient quantities of mud materials will be maintained or readily accessible for the purpose of assuring well control.

4. PROPOSED CASING AND CEMENTING PROGRAM:

- a. Surface casing will be set in the Uinta formation to approximately 260' and cemented to surface.
- b. All potentially productive hydrocarbon zones will be isolated.
- c. Casing designs are based on factors of burst: 1.00, collapse: 1.125, and joint strength: 1.8.
- d. All casing strings will be pressure tested to 0.22 psi/ft. of casing string length or 1500 psi whichever is greater (not to exceed 70% of yield).
- E. For details of casing, cement program, drilling fluid program, and proposed mud program, see the following attachment:

Drilling Program/Casing Design (EXHIBIT "D")

5. HAZARDOUS PRESSURES, TEMPERATURES, FLUIDS/GASSES EXPECTED:

- a. Expected bottom hole temperature is 125 degrees F. Expected bottom hole pressure is 1500 psi.
- b. No abnormal pressures or temperatures have been noted or reported in wells drilled to the Green River formation in this area.
- c. No dangerous levels of hydrogen sulfide, hazardous fluids, or gasses have been found, reported, or known to exist at the depth to be drilled in this well, in this area.

6. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS:

- a. The drilling operations for this well will begin as soon after APD approval as possible.

- b. These drilling operations should be completed within 12 days after spudding the well depending on weather and hole conditions.
- c. If the well is productive, a sundry notice and plat showing exact installed facilities will be submitted.
- d. If this well is non-productive, a sundry notice will be filed with the BLM District Office within 30 days following completion of the well for abandonment.

7. OTHER

- a. Operator requests a variance to regulations requiring a straight run blooie line.
- b. Operator requests a variance to regulations requiring an automatic ignitor or continuous pilot light on the blooie line.

SURFACE USE PROGRAM

EQUITABLE RESOURCES ENERGY COMPANY
Balcron Oil Division
Monument State #31-2-9-17CD
NW NE Section 2, T9S, R17E
Uintah County, Utah

In accordance with requirements outlined in 43 CFR 3162.3-1 (d):

1. **EXISTING ROADS:**

- a. Proceed west from Myton, UT on Highway 40 for 1.6 miles to the intersection of Highway 40 and the Sand Wash Road. Turn left and proceed along the Sand Wash road 11.7 miles to a road intersection. Turn left and continue 1.4 miles to a road intersection. Turn right and continue 0.3 miles to existing location #22-2 and the proposed access road sign. Follow flags 0.5 miles to location.
- b. Existing roadways need no improvements for these drilling operations.
- c. All existing roads used by these drilling operations will be maintained in the same or better condition as were existing prior to entry.
- d. See EXHIBIT "F" Maps A and B for access route.

2. **PLANNED ACCESS ROADS:** See EXHIBIT "F" Maps A & B

- a. Approximately 0.5 miles of new access is required.
- b. All travel will be confined to location and access routes.

3. **LOCATION OF EXISTING WELLS:**

See EXHIBIT "I" Map C.

4. **PROPOSED PRODUCTION FACILITIES DIAGRAM:**

See EXHIBIT "J" for the Proposed Production Facility layout.

5. WATER SUPPLY:

The drilling water will be hauled by truck to the location site.

6. CONSTRUCTION ROAD/LOCATION MATERIALS:

- a. Any construction materials which are required will be native materials from the location and/or access site.
- b. All construction materials for this location site and access road shall be borrowed material accumulated during the construction of the site and road. No additional construction material from other sources is anticipated at this time. If additional construction material is needed, it will be from an approved source.
- c. Reasonable precautions will be taken to protect all lands.

7. METHODS FOR HANDLING WASTE MATERIALS AND DISPOSAL:

- a. Garbage will be stored in a dumpster and disposed of at an approved facility according to local and state regulations. Disposal will not be allowed on location. No trash will be disposed of in the reserve pit.
- b. Fluids produced during the completion operation will be collected in test tanks. Any spills of oil, gas, salt water or other noxious fluids will be cleaned up and hauled to an approved disposal site. Burning will not be allowed.
- c. The reserve pit will be lined. If a plastic nylon reinforced liner is used, it will be torn and perforated before backfilling of the reserve pit.
- d. Saltwater or testing tanks will be located and/or diked so that any spilled fluids will flow into the reserve pit. Saltwater tanks will not be placed on topsoil stockpiles.
- e. Sewage will be disposed of according to county and state requirements. Sealed chemical portable toilets will be on location during these drilling operations. Waste and chemicals will not be disposed of on location.
- f. Cuttings will be deposited in the reserve pit.

8. ANCILLARY FACILITIES:

None are anticipated.

9. LOCATION SITE LAYOUT:

- a. The proposed location site and elevation plat is shown on EXHIBIT "K".
- b. The drill pad layout, showing elevations, orientation, and access to the pad is shown on EXHIBIT "L".
- c. The drilling rig facilities layout is shown on EXHIBIT "G".
- d. No permanent living facilities are planned. There will be two or three trailers on location during drilling operations.
- e. If needed, flare pit will be located downwind of the prevailing wind directions a minimum of 100' from the wellhead and 30' from the reserve pit fence.

10. PLANS FOR RECLAMATION OF LOCATION SITE:

The State will be contacted prior to commencement of any reclamation operations.

Producing location:

- a. Immediately upon well completion, the location and surrounding areas will be cleared of all unused tubing, equipment, debris, materials, trash, and junk not required for production.
- b. Immediately upon well completion, any hydrocarbons in the pit will be removed.
- c. A plastic nylon reinforced liner will be used, and it will be torn and perforated before backfilling of the reserve pit.
- d. The reserve pit and that portion of the location not needed for production facilities or operations will be recontoured to the approximate natural contours. Before any dirt work takes place, the reserve pit will have all fluids and hydrocarbons removed.

Dry hole/abandoned location:

At such time as the well is plugged and abandoned, operator will submit a subsequent report of abandonment.

11. SURFACE OWNERSHIP:

State of Utah
355 West North Temple
3 Triad Center
Salt Lake City, UT 84180

12. OTHER INFORMATION:

- a. An Archeology Survey has been ordered and will be provided as soon as it is completed.
- b. If unexpected cultural resources are observed during construction or reclamation operations, Equitable Resources Energy Company's Balcron Oil Division will suspend operations in the vicinity of the discovery and immediately report the finding to the State.
- c. Operator will have on site a copy of the Surface Use Program and a copy of the supplemental conditions.
- d. Drilling operations will be conducted in accordance with the State Division of Oil, Gas and Mining conditions of approval when received.

13. OPERATOR'S REPRESENTATIVES:

Equitable Resources Energy Company, Balcron Oil Division
1601 Lewis Avenue
Billings, Montana 59102
(8:00 a.m. to 5:00 p.m.)
(406) 259-7860
FAX: (406) 245-1361

Dave McCoskery, Operations Manager Home: (406) 248-3864
Mobile: (406) 698-3732

Dale Griffin, Operations Supervisor Mobile: (801) 828-7291
Home: (801) 781-1018

EXHIBIT "C"

Samples	DST,s	Wellsite Geologist
<u>50' FROM 1400' TO 3950'</u>	DST #1 _____	Name: _____
<u>20' FROM 3950' TO TD</u>	DST #2 _____	From: _____ to: _____
<u>5' THROUGH EXPECTED PAY</u>	DST #3 _____	Address: _____
<u>5' THROUGH DRILLING BREAKS</u>	DST #4 _____	_____
		Phone # _____ wk.
		_____ hm.
		Fax # _____
Logs	Cores	
<u>D/L FROM SURF CSNG TO TD</u>	Core #1 _____	
<u>L/DI/CNL FROM 3700' TO TD</u>	Core #2 _____	
_____	Core #3 _____	
_____	Core #4 _____	
_____		Mud Logger/Hot Wire
		Company: _____
		Required: (Yes/No) YES _____
		Type: 2 MAN _____
		Logger: _____
		Phone # _____
		Fax # _____
Comments: _____		
Report To:	1st Name: <u>DAVE BICKERSTAFF</u>	Phone # <u>(406)259-7860</u> wk. <u>(406)245-2261</u> hm. _____
	2nd Name: <u>KEVEN REINSCHMIDT</u>	Phone # <u>(406)259-7860</u> wk. <u>(406)248-7026</u> hm. _____
Prepared By: <u>DAVE BICKERSTAFF</u>	Phone # _____	wk. _____ hm. _____



DRILLING PROGRAM

WELL NAME: Monument State 31-2-9-17 CD
PROSPECT/FIELD: Castle Draw Unit
LOCATION: NW/NE Section 2 Twn.9S Rge.17E
COUNTY: Duchesne
STATE: Utah

DATE: 11-29-95

TOTAL DEPTH: 5850

HOLE SIZE INTERVAL

12 1/4"	Surface to 260'
7 7/8"	260' to 5850'

CASING	INTERVAL		CASING		
STRING TYPE	FROM	TO	SIZE	WEIGHT	GRADE
Surface Casing	0'	260'	8 5/8"	24	J55
Production Casing	0'	5850'	5 1/2"	15.50	K55

CEMENT PROGRAM

Surface Casing	150 sacks class "G" with 2% CaCl and 1/4 lb/sack Flocele. (Cement will be circulated to surface.)
Production Casing	250 sacks Thrifty Lite and 400 sacks 50-50 Poz. (Actual cement volumes will be calculated from caliper log with cement top at 2000')

PRELIMINARY DRILLING FLUID PROGRAM

TYPE	FROM	TO	WEIGHT	PLAS. VIS	YIELD POINT
Air and Air Mist	0'	260'	N.A.	N.A.	N.A.
Air/Air Mist/KCl wtr	260'	T.D.	8.7-8.9	N.A.	N.A.

COMMENTS

1.) No cores or tests are planned for this well.

BALCRON OIL CO.

EXHIBIT "D"
Page 2 of 2

Operator: BALCRON OIL	Well Name: State 31-2-9-17CD
Project ID:	Location: Duchesne/Utah

Design Parameters:

Mud weight (9.00 ppg) : 0.468 psi/ft
 Shut in surface pressure : 2150 psi
 Internal gradient (burst) : 0.100 psi/ft
 Annular gradient (burst) : 0.000 psi/ft
 Tensile load is determined using air weight
 Service rating is "Sweet"

Design Factors:

Collapse : 1.125
 Burst : 1.00
 8 Round : 1.80 (J)
 Buttress : 1.60 (J)
 Body Yield : 1.50 (B)
 Overpull : 0 lbs.

Length (feet)		Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost	
1	5,850	5-1/2"	15.50	K-55	ST&C	5,850	4.825		
	Collapse Load Strgth S.F. (psi) (psi)			Burst Load (psi)	Min Int Yield Strgth S.F. (psi)	Tension Load Strgth S.F. (kips) (kips)			
1	2735	4040	1.477	2735	4810	1.76	90.68	222	2.45 J

Prepared by : McCoskery, Billings, MT

Date : 11-30-1995

Remarks :

Minimum segment length for the 5,850 foot well is 1,500 feet.

The mud gradient and bottom hole pressures (for burst) are 0.468 psi/ft and 2,735 psi, respectively.

NOTE: The design factors used in this casing string design are as shown above. As a general guideline, Lone Star Steel recommends using minimum design factors of 1.125 - Collapse (with evacuated casing), 1.0 - Burst, 1.8 - 8 Round Tension, 1.6 - Buttress Tension, and 1.5 - Body Yield. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and Kemler curve. Engineering responsibility for use of this design will be that of the purchaser. Costs for this design are based on a 1990 pricing model. (Version 1.0G)

EXHIBIT E

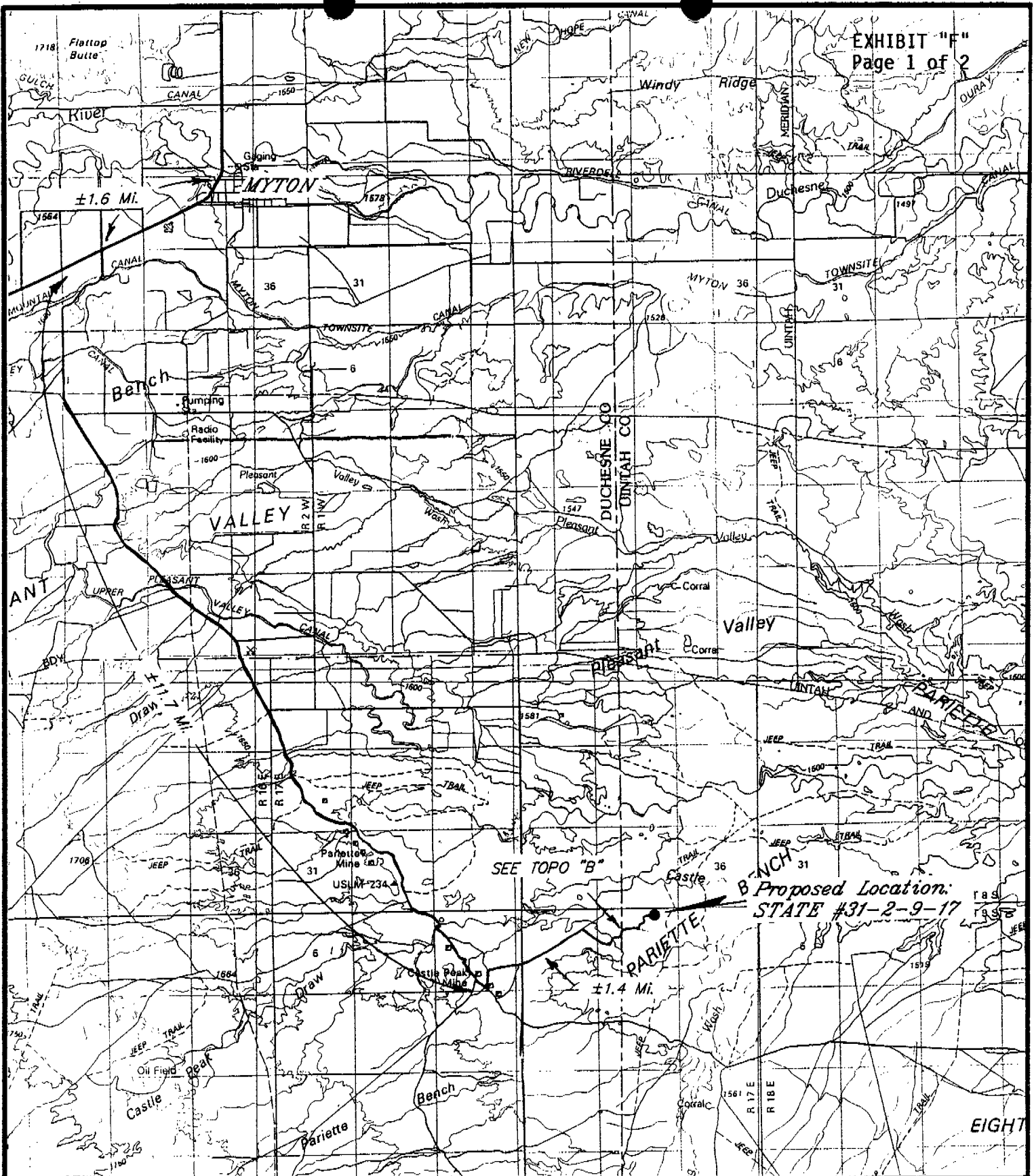
- A. Hazardous chemicals 10,000 pounds of which will most likely be used, produced, stored, transported, or disposed of in association with the proposed action of drilling, completing and producing this well:

We anticipate that none of the hazardous chemicals in quantities of 10,000 pounds or more will be associated with these operations.

- B. Extremely hazardous substances threshold quantities (per Howard Cleavinger 11/30/93) of which will be used, produced, stored, transported, or disposed of in association with the proposed action of drilling, completing and producing this well:

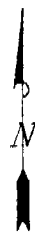
We anticipate that none of the extremely hazardous substances in threshold quantities per 40 CFR 355 will be associated with these operations.

12/1/93
Revised 12/7/93
/rs



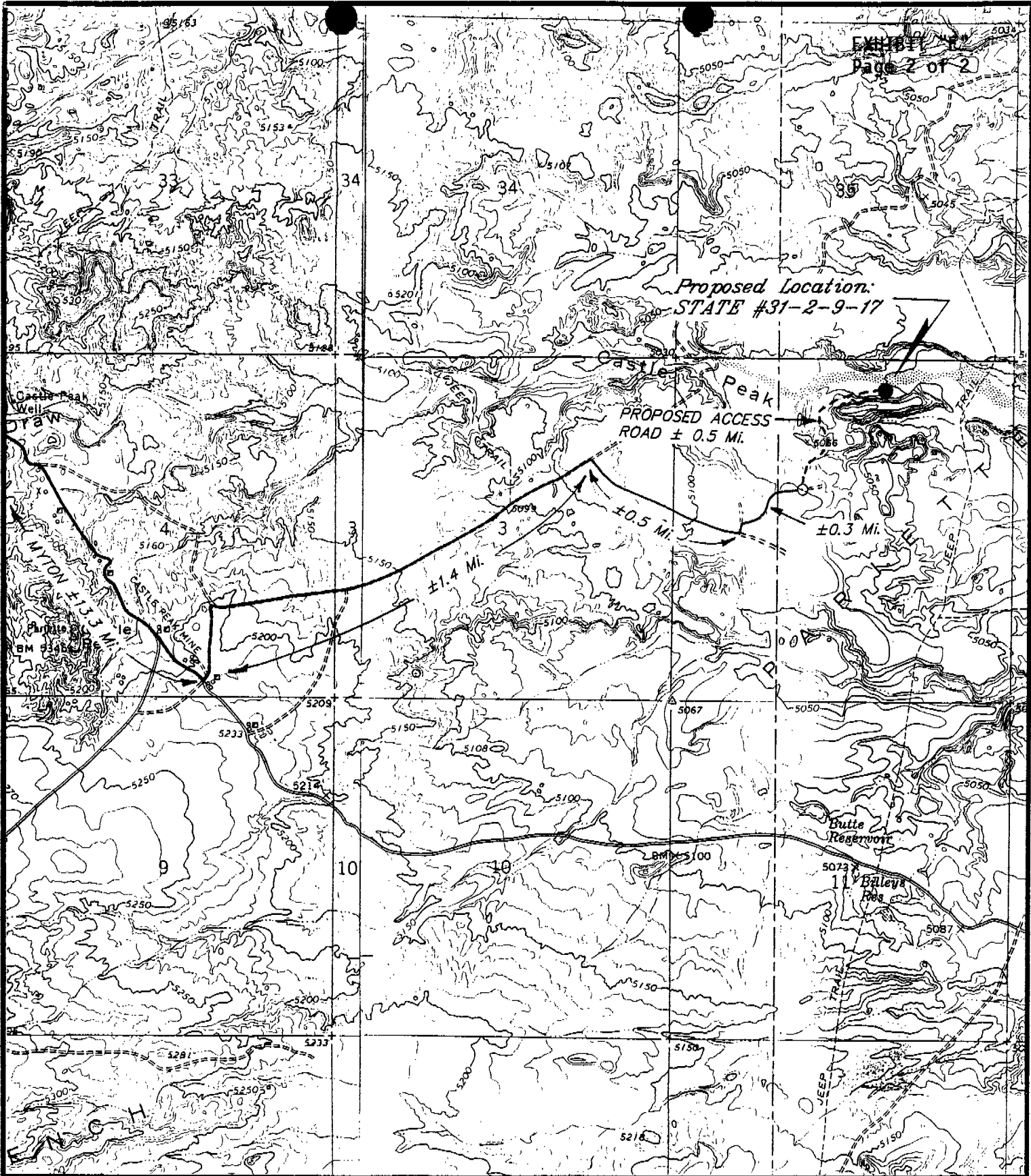
EQUITABLE RESOURCES CO.

STATE #31-2-9-17
SEC. 2, T9S. R17E, S.L.B.&M.
TOPO "A"



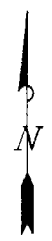
SCALE: 1" = 2000'

Tri State
Land Surveying, Inc.
(801) 781-2501
38 WEST 100 NORTH VERNAL, UTAH 84078



EQUITABLE RESOURCES CO.

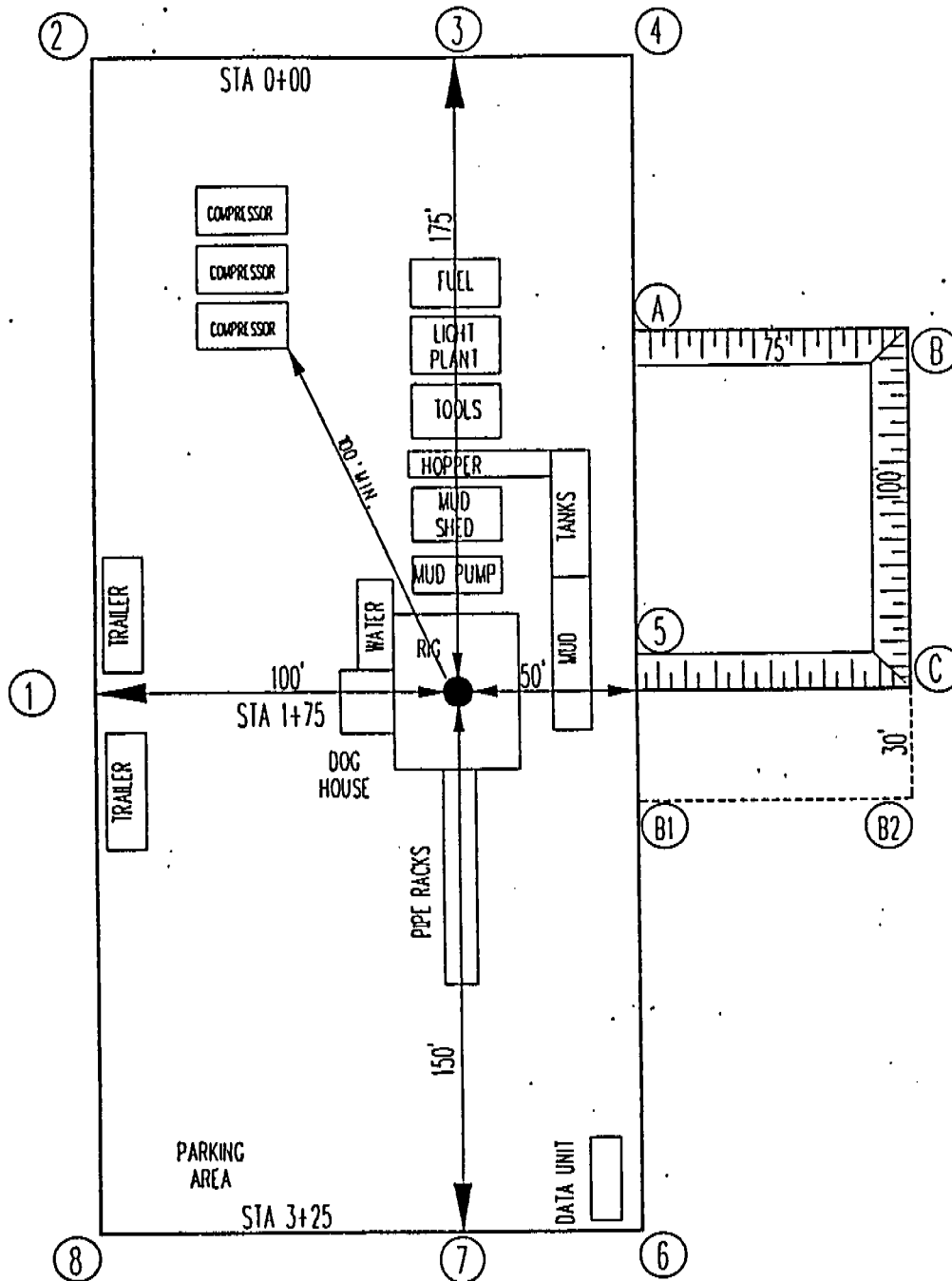
STATE #31-2-9-17
SEC. 2, T9S, R17E, S.L.B.&M.
TOPO "B"



Tri State
Land Surveying, Inc.
(801) 781-2501
38 WEST 100 NORTH VERNAL, UTAH 84078

EQUITABLE RESOURCES ENERGY CO.

WELLSITE LAYOUT



TRI-STATE
LAND SURVEYING, INC.
 38 WEST 100 NORTH, VERNAL, UTAH 84408
 801-781-2501

UNION DRILLING RIG #17

Hex Kelly -

Rotating Head

Adj. Choke

Air Bowl

7" Flowline

#3000
Blind Ram. Pipe Ram

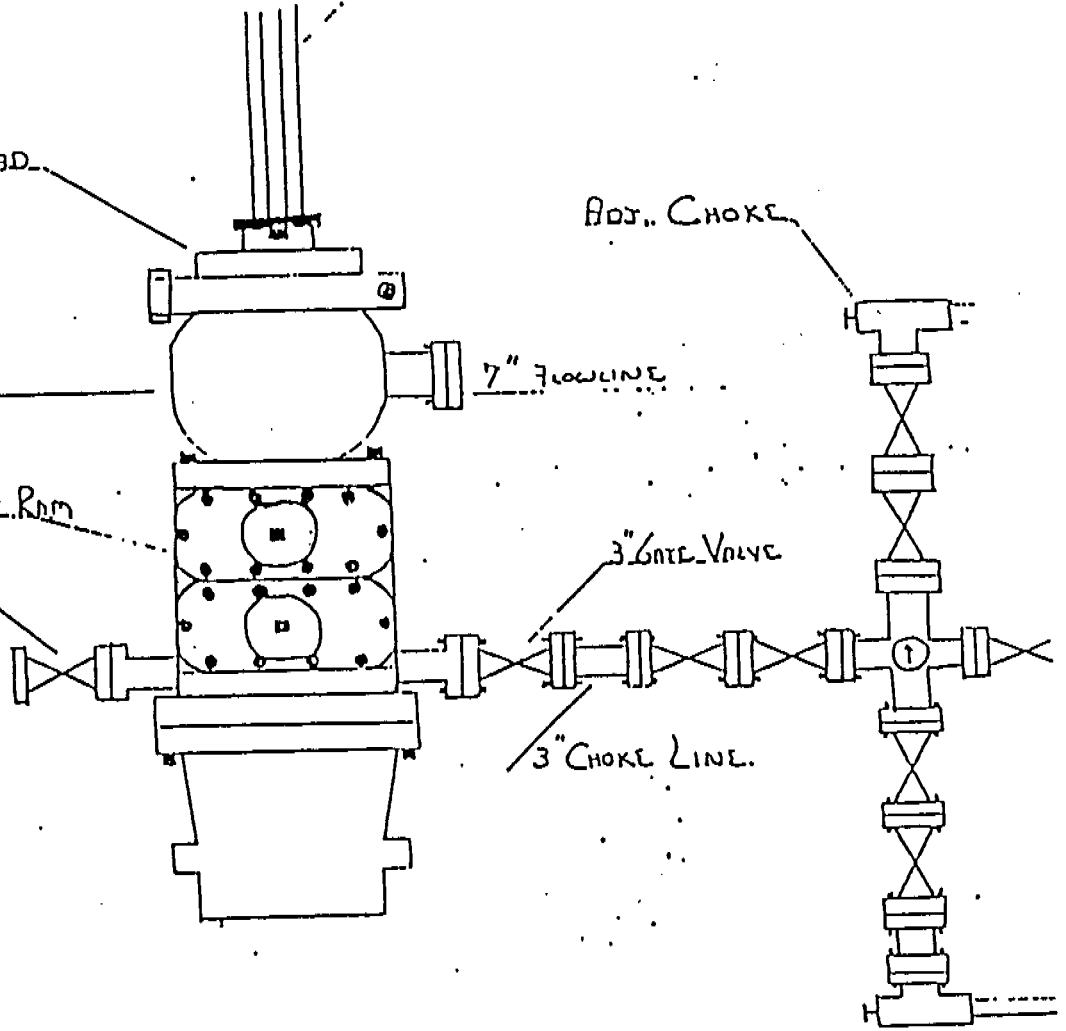
3" Gate Valve

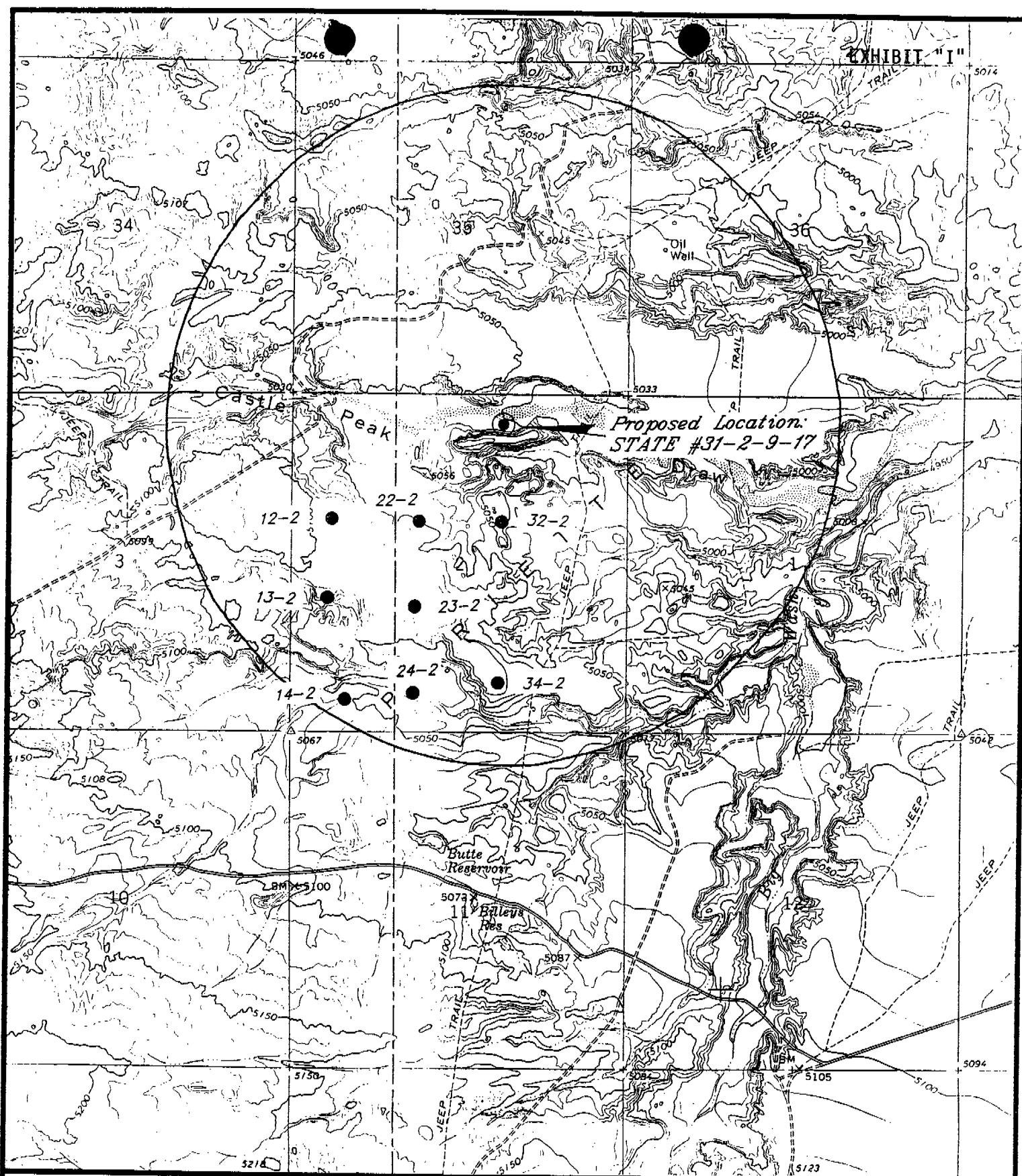
3" Gate Valve

3" Choke Line

Adj. Choke

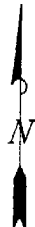
#3000 Stack





EQUITABLE RESOURCES CO.

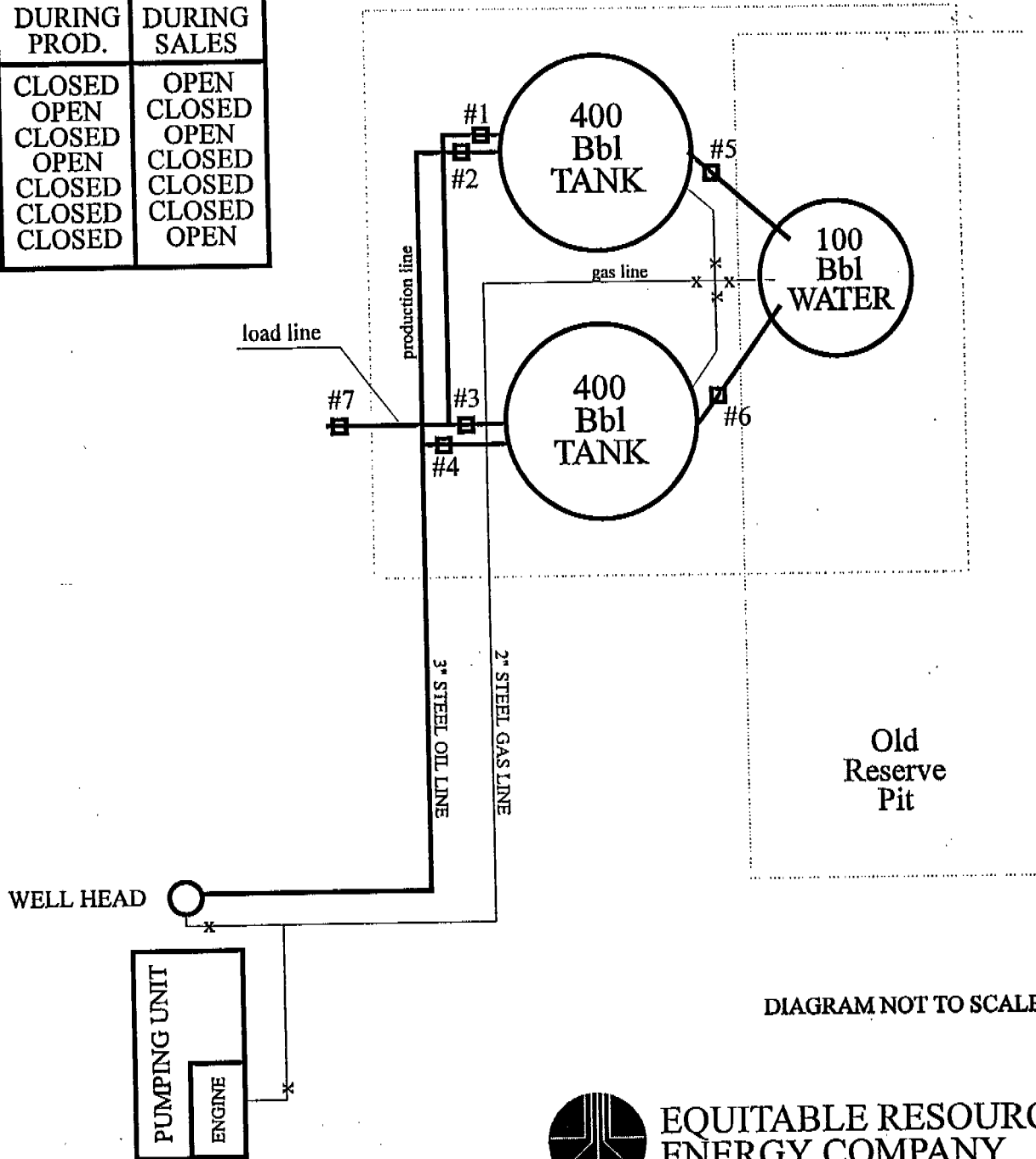
STATE #31-2-9-17
SEC. 2, T9S, R17E, S.L.B.&M.
TOPO "C"



Tri State
Land Surveying, Inc.
(801) 781-2501
38 WEST 100 NORTH VERNAL, UTAH 84078

PROPOSED PRODUCTION FACILITY DIAGRAM

VALVE DESCRIPTION		
	DURING PROD.	DURING SALES
VALVE #1	CLOSED	OPEN
VALVE #2	OPEN	CLOSED
VALVE #3	CLOSED	OPEN
VALVE #4	OPEN	CLOSED
VALVE #5	CLOSED	CLOSED
VALVE #6	CLOSED	CLOSED
VALVE #7	CLOSED	OPEN

DIKE

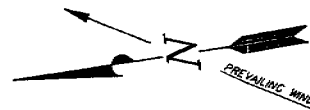
**EQUITABLE RESOURCES
ENERGY COMPANY**

BALCRON OIL DIVISION

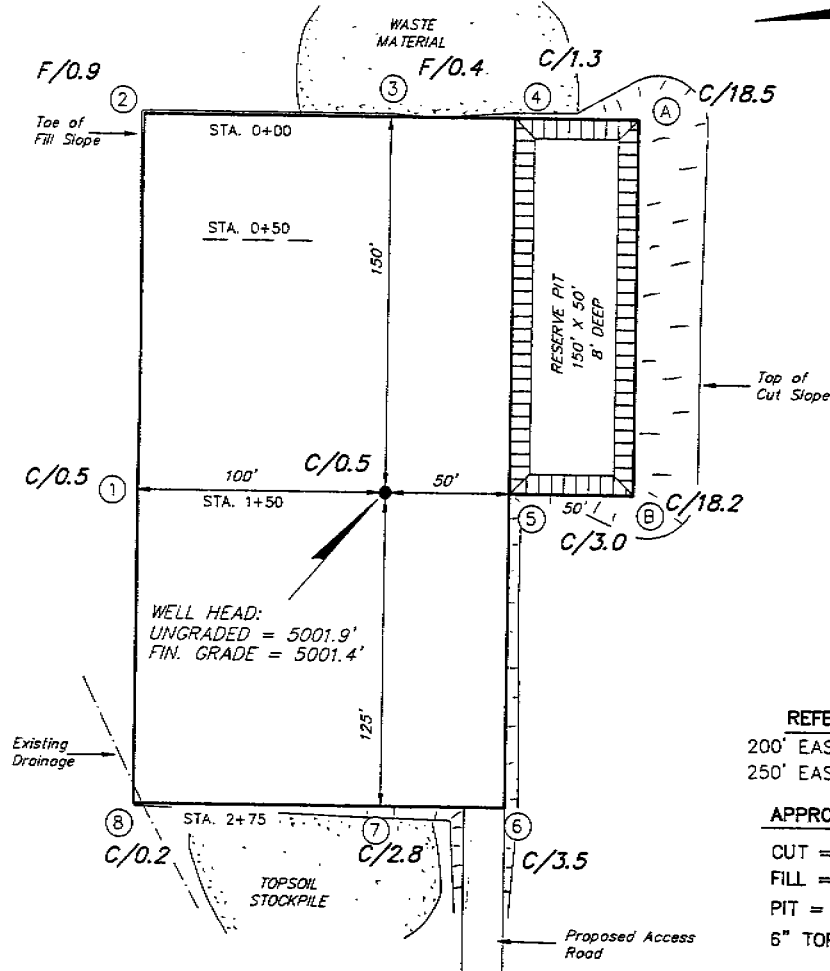
1601 Lewis Avenue
Billings, MT 59104-2
(406) 259-7860

EQUITABLE RESOURCES ENERGY CO.

STATE #31-2-9-17
SECTION 2, T9S, R17E, S.L.B.&M.



SCALE: 1" = 50'



REFERENCE POINTS

200' EAST = 5001.2'

250' EAST = 5001.6'

APPROXIMATE YARDAGES

CUT = 3,980 Cu. Yds.

FILL = 330 Cu. Yds.

PIT = 1,770 Cu. Yds.

6" TOPSOIL = 910 Cu. Yds.

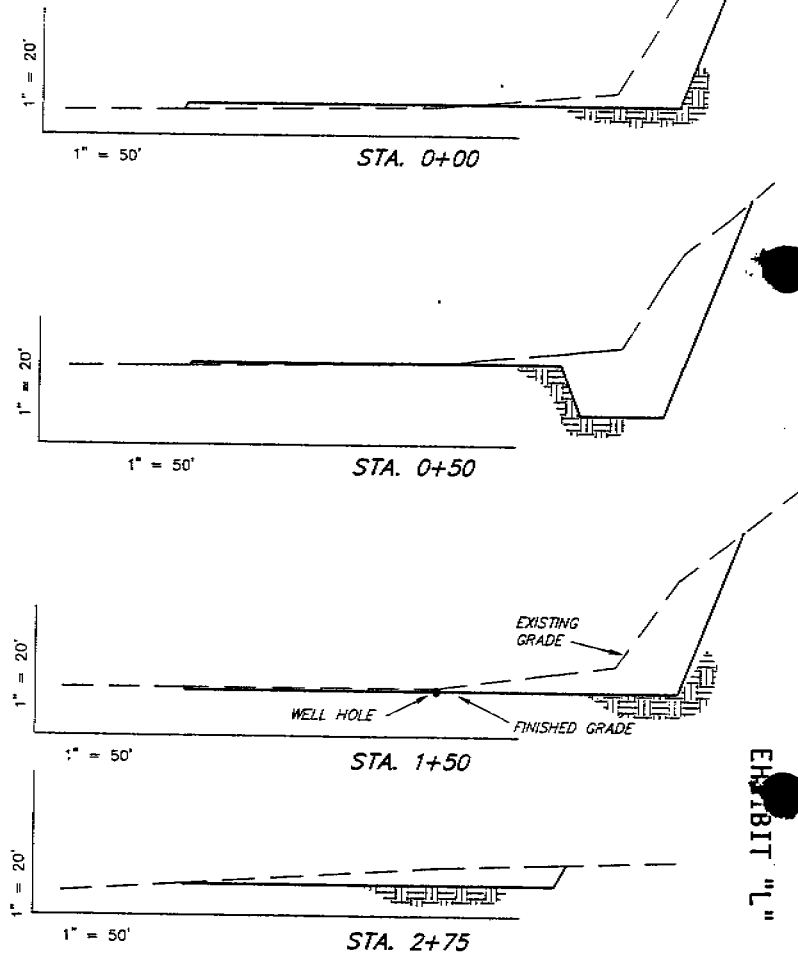


EXHIBIT "L"

SURVEYED BY: S.S. G.O. T.M.
DRAWN BY: J.R.S.
DATE: 10-10-95
SCALE: 1" = 50'
FILE:

Tri State
Land Surveying, Inc.
(801) 781-2501

38 WEST 100 NORTH VERNAL, UTAH 84078



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

January 3, 1996

Equitable Resources Energy
P.O. Box 21017
Billings, Montana 59104

Re: Monument State #31-2-9-17CD Well, 500' FNL, 1980' FEL, NW NE, Sec. 2,
T. 9 S., R. 17 E., Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-32563.

Sincerely,

R. J. Erth
Associate Director

lwp

Enclosures

cc: Uintah County Assessor

Bureau of Land Management, Vernal District Office

WAPD



Operator: Equitable Resources Energy
Well Name & Number: Monument State #31-2-9-17CD
API Number: 43-047-32563
Lease: ML-45555
Location: NW NE Sec. 2 T. 9 S. R. 17 E.

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

2. Notification Requirements

Notify the Division within 24 hours following spudding the well or commencing drilling operations. Contact Jimmie Thompson at (801)538-5340.

Notify the Division prior to commencing operations to plug and abandon the well. Contact Frank Matthews or Mike Hebertson at (801)538-5340.

3. Reporting Requirements

All required reports, forms and submittals shall be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. On-site Predrill Evaluation and Review

Compliance with all requirements and stipulations developed during the onsite evaluation and review.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: EQUITABLE RESOURCES

Well Name: MONUMENT STATE 31-2-9-17CD

Api No. 43-047-32563

Section 2 Township 9S Range 17E County UINTAH

Drilling Contractor UNION

Rig # 17

SPUDDED: Date 2/9/96

Time 10:00 AM

How ROTARY

Drilling will commence

Reported by D. HACKFORD-DOGM

Telephone #

Date: 2/9/96 Signed: JLT



EQUITABLE RESOURCES
ENERGY COMPANY

BALCRON OIL DIVISION

1601 Lewis Avenue
Billings, MT 59102

Office: (406) 259-7860
FAX: (406) 245-1365 ☐
FAX: (406) 245-1361 ☒

February 12, 1996

State of Utah
Division of Oil, Gas, and Mining
355 West North Temple
Salt Lake City, UT 84180

Gentlemen:

RE: Balcron Monument State #31-2-9-17CD
NW NE Section 2, T9S, R17E
Uintah County, Utah
API #43-047-32563

This letter is notice that the subject well was spud on 2-9-96 at 12:00 p.m. I have also enclosed the Entity Action Form 6.

Please feel free to contact me if you have any questions.

Sincerely,

Molly Conrad

Molly Conrad
Operations Secretary

/mc

cc: Mary Lou Dixon, Uintah Basin Health Dept. - VIA FAX
Bobbie Schuman

STATE OF MONTANA
DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM - FORM 6

Operator Equitable Resources Energy Company
Balcron Oil Division
Address 1601 Lewis Avenue
Billings, MT 59102
(406) 259-7860

Operator Acct. No. N9890

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	11878	43-047-32563	Monument Federal #31-2-9-170D	NW NE	2	9S	17E	Uintah	2-9-96	2-9-96
WELL 1 COMMENTS: Spud of a new well. <i>Entity added 2-15-96. Lic</i>											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- D - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- O - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

Molly Connard
Signature
Operations Secretary
Date 2-12-96
Phone No. (406) 259-7860



EQUITABLE RESOURCES
ENERGY COMPANY

BALCRON OIL DIVISION

1601 Lewis Avenue
Billings, MT 59102

Office: (406) 259-7860

FAX: (406) 245-1365 ☐

FAX: (406) 245-1361 ☒

March 13, 1996

**State of Utah
Division of Oil, Gas, and Mining
355 West North Temple
Salt Lake City, UT 84180**

Gentlemen:

**RE: Monument State #31-2-9-17CD
NW NE Section 2, T9S, R17E
Uintah County, Utah
API #43-047-32563**

This letter will serve as notice that first production on the subject well was on 3-11-96 at 12:00 p.m.

Please feel free to contact me if you need any additional information.

Sincerely,

**Molly Conrad
Operations Secretary**

/mc

**cc: Lou Ann Carlson
Bobbie Schuman**

RECEIVED

MAR 15 1996

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

REPORT OF WATER ENCOUNTERED DURING DRILLING

1. Well name and number: Monument State #31-2-9-17 CD

API number: 43-0-47-32563

2. Well Location: QQ NW NE Section 2 Township 9S Range 17E County Uintah

3. Well operator: Equitable Resources Energy Company

Address: 1601 Lewis Avenue

Billings, MT 59102

Phone: (406) 259-7860

4. Drilling contractor: Union Drilling

Address: Drawer 40

Buckannon, WV 26201

Phone: (304) 472-4610

5. Water encountered (attach additional pages as needed):

DEPTH		VOLUME (FLOW RATE OR HEAD)	QUALITY (FRESH OR SALTY)
FROM	TO		
		No measurable water encountered	
		during drilling operations.	

6. Formation tops: Please see completion report.

If an analysis has been made of the water encountered, please attach a copy of the report to this form.

I hereby certify that this report is true and complete to the best of my knowledge.

Date: 4-15-96

Name & Signature: Molly Conrad, Molly Conrad

Title: Operations Secretary

43-047-32563

DAILY OPERATING REPORT**Monument State #31-2-9-17CD****Location: NW NE Section 2, T9S, R17E****Uintah County, Utah****---TIGHT HOLE---**

02/21/96

Completion

RU Schlumberger to RU CBL and perf. Run CBL from PBTD to 1,100'KB w/1000 psi on csg. TOC at 1,300'KB. Perf 5,254' - 58', 4 SPF. RD Schlumberger. TIH w/RBP, retrieving tool, 2-3/8" x 4' sub, HD pkr, 2-3/8" x 2-7/8" cross ovre, and 170 jts tbg. Set BP at 5,283'KB, EOT 5,218'KB, pkr 5,210'KB. RU BJ Services to break down 5,254'-58'. Refer to treatment report. Could not get good break. Will treat w/250 gals 15% HCL on 2-22-96. SWIFD.

DC: \$5,252

CC: \$8,955

02/23/96

Completion

Release pkr, run across perfs w/pkr. Leave end of tbg at 5,249'KB. Spot acid on perfs. Pull up and set pkr at 5,210'KB. End of tbg at 5,218'KB. Break down 5,254'-58' w/ 250 gals 15% HCL acid and 2058 gals 2% KCL water, let acid sit on perfs 20 mins. ATP = 3,000 psi, ATR = 4.0 bpm, ISIP = 1,900 psi. TOOH w/tbg, pkr and retrieving tool. Frac 5,254'-58'. Fraced w/11,520 lbs 20/40 sand and 12,300 lbs 16/30 sand w/ 9,156 gals 2% KCL gelled water. ATP = 4,000 psi, ATR = 19.5 bmp, ISIP = 4,000 psi. Start frac. End frac, screen out w/9,600 lbs sand on formation. Bleed well down. TIH w/retrieving tool, 2-3/8" x 4' sub, HD pkr, 2-3/8" x 2-7/8" cross over, 2-7/8" SN and 137 jts 2-7/8" tbg. Tag 14' bridge at 2,920'KB, tag 10' bridge at 3,800'KB, tag solid sand fill at 4,237'KB. Circulate down to BP at 5,283'KB, used 24 bbls water. Pull up and set pkr at 5,210'KB, EOT at 5,218'KB. SWIFN.

DC: \$25,046

CC: \$34,001

4000 1.194

CONFIDENTIAL

FORM 8

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

RECEIVED

APR 17 1996

3. LEASE DESIGNATION AND SERIAL NO.

ML-45555

WELL COMPLETION OR RECOMPLETION REPORT AND DIVO OF OIL GAS & MINING

4. INDICATE FIELD OR TRIBE NAME

n/a

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other _____

1. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____

2. NAME OF OPERATOR

Equitable Resources Energy Company

3. ADDRESS OF OPERATOR

1601 Lewis Avenue, Billings, MT 59102 (406) 259-7860

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface 500' ENL & 1980' FFL

At top prod. interval reported below

At total depth

7. UNIT AGREEMENT NAME

n/a

5. FARM OR LEASE NAME

Monument State

9. WELL NO.

#31-2-9-17CD

10. FIELD AND POOL, OR WILDCAT

Monument Butte/Green River

11. SEC., T., R. M., OR BLOCK AND SURVEY OR AREA

NW NE Section 2, T9S, R17E

14. API NO.

43-047-32563

DATE ISSUED

1-3-96

12. COUNTY

Uintah

13. STATE

Utah

15. DATE SPUDDED

2-9-96

16. DATE T.D. REACHED

2-17-96

17. DATE COMPL. (Ready to prod.)

3-11-96

(Plug & Abd.)

18. ELEVATIONS (DF, RES, RT, GR, ETC.)

5002' GL

19. ELEV. CASINGHEAD

n/a

20. TOTAL DEPTH, MD & TYD

5850'

21. PLUG BACK T.D., MD & TYD

5801'

22. IF MULTIPLE COMPL., HOW MANY

n/a

23. INTERVALS DRILLED BY

ROTARY TOOLS

SF - TD

CABLE TOOLS

n/a

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TYD)

4783' - 4925'

Green River

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

DLT LDT CNT CBL/GR

27. WAS WELL CORED YES ☐ NO ☒ (Submit analysis)
DRILL STEM TEST YES ☐ NO ☒ (See reverse side)

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	261'	12-1/4"	160 sxs Class G w/additives	None
5-1/2"	15.5#	5847.72'	7-7/8"	240 sxs Super G w/additives	None
				430 sxs 50/50 FOZ w/additives	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	30. TUBING RECORD	SIZE	DEPTH SET (MD)	PACKER SET (MD)
n/a					2-7/8"	4995.45' KB	n/a	

31. PERFORATION RECORD (Interval, size and number)

5254' - 58' (4 SPF) 4783' - 87' (2 holes)
 4906' - 25' (10 holes)
 4802' - 04' (2 holes)
 4795' - 4801' (2 holes)
 4788' - 93' (3 holes)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5254' - 58'	Cast-Iron Bridge Plug @ 5235' KB
**Please see attachment.	

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					WELL STATUS (Producing or shut-in)	
3-11-96		1-1/2" Insert Pump					Producing	
DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL—BSL.	GAS—MCF.	WATER—BSL.	GAS-OIL RATIO	
3-30-96	24	n/a	→	99	N.M.	9	N.M.	
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BSL.	GAS—MCF.	WATER—BSL.	OIL GRAVITY-API (CORR.)		
n/a	n/a	→	99	N.M.	9	34		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Used for fuel.

TEST WITNESSED BY

Dale Griffin

35. LIST OF ATTACHMENTS

Section 32 - Break down and fracture information.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Mouy Conrad

TITLE

Operations Secretary

DATE

4-15-96

See Spaces for Additional Data on Reverse Side

INSTRUCTIONS

This form should be completed in compliance with the Utah Oil and Gas Conservation General Rules. If not filed prior to this time, all logs, tests, and directional surveys as required by Utah Rules should be attached and submitted with this report.

ITEM 18: Indicate which elevation is used as reference for depth measurements given in other spaces on this form and on any attachments.

ITEMS 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

ITEM 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

ITEM 33: Submit a separate completion report on this form for each interval to be separately produced (see instruction for items 22 and 24 above).

37. SUMMARY OF POROUS ZONES: Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.			38. GEOLGIC MARKERS			
Formation	Top	Bottom	Description, contents, etc.	Name	Meas. Depth	Top True Vert. Depth
No DST's run.				Green River	1483'	1483'
				HorseBench SS	2363'	2363'
				2nd Garden Gulch	3938'	3938'
				Yellow Marker	4542'	4542'
				Douglas Creek	4706'	4706'
				2nd Douglas Creek	4957'	4957'
				Green Marker	5104'	5104'
				Black Shale Facies	5390'	5390'
				Carbonate Marker	5543'	5543'

**MONUMENT STATE #31-2-9-17
NW NE Section 2, T9S, R17E
Uintah County, Utah
Attachment Section 32 for Completion Report**

<u>Depth Interval</u>	<u>Amount and Kind of Material Used</u>
5254' - 5258'	Break down with 1,680 gallons 2% KCL water. Break down with 250 gallons 15% HCL acid and 2,058 gallons 2% KCL water. Fracture with 11,520# 20/40 mesh sand and 12,300# 16/30 mesh sand with 9,156 gallons 2% KCL gelled water.
4783' - 4804'	Break down with 1,764 gallons 2% KCL water.
4906' - 4925'	Break down with 1,764 gallons 2% KCL water.
4783' - 4925'	Fracture with 162,940# 16/30 mesh sand with 46,368 gallons 2% KCL gelled water.

/mc

Attachment to completion

DAILY OPERATING REPORT**Monument State #31-2-9-17CD****Location: NW NE Section 2, T9S, R17E****Uintah County, Utah****---TIGHT HOLE---****500 FNL & 1980' FEL****PTD: 5850' Formation: Green River****Monument Butte Field****API #43-047-32563 (1-3-96)****Elevations: 5002' GL****Contractor: Union Drilling Rig 13****Operator: Balcron/EREC****Spud: 02/09/96 at 12:00 P.M.****Casing: 8-5/8", 24#, J-55 @ 261'****5-1/2", 15.5#, K-55 @ 5847.72'****Tubing: 2-7/8", 6.5#, J-55 @ 4995.45' KB****02/06/96 Work on location and road.****02/07/96 Work on location and road.****02/08/96 Finish location and road. Line pit.****02/09/96 MIRU. Spud well at 12:00 P.M. Ran 6 jts 8-5/8" csg, total footage ran - 251', set at 261'. BJ-Hughes cement with 160 axs. Plug down time 12:00 A.M.****02/10/96 TD: 280' (280') Day 1
Mud Properties: Air
Formation: Sand & Shale
Present Operation: WOC
NU. Test BOP, choke and csg. Drill, cement shoe, drilling 7-7/8".****02/11/96 TD: 1,276' (996') Day 2
Mud Properties: Air
Formation: Sand & Shale
Present Operation: Drilling 7-7/8" hole
Test BOP & choke. Drill 7-7/8" hole. Run surveys.****02/12/96 TD: 2,708' (1,432') Day 3
Mud Properties: Air
Formation: Sand & Shale
Present Operation: Drilling 7-7/8" hole
Drilling 7-7/8" hole.****02/13/96 TD: 3,980' (1,272') Day 4
Mud Properties: Air
Formation: Sand & Shale
Present Operation: Drilling
Drilling 7-7/8" hole. Load hole. Make bit trip.**

DC: \$22,896

CC: \$71,640

DAILY OPERATING REPORTMonument State #31-2-9-17CD

Location: NW NE Section 2, T9S, R17E

Uintah County, Utah

---TIGHT HOLE---

02/14/96 TD: 4,436' (456') Day 5
 Present Operation: Drilling 7-7/8" hole
 Drilling with water and run surveys.
 DC: \$8,208

CC: \$79,848

02/15/96 TD: 5,084' (648') Day 6
 Formation: Sand & Shale
 Present Operation: Drilling 7-7/8" hole
 Drill, rig service, survey. Drilling with water.
 DC: \$11,664

CC: \$91,512

2-16-96 TD: 5,775' (691') Day 7
 Formation: Sand & Shale
 Present Operation: Drilling
 Drill 7-7/8" hole.
 DC: \$12,438

CC: \$103,950

02/17/96 TD: 5,850' (35') Day: 8
 Formation: Sand & Shale
 Present Operation: Drilling
 Run 5-1/2" csg as follows:

Shoe	.90'	
Shoe joint, 5-1/2" csg, K-55		42.45'
Float Collar	1.10'	
133 jts, 5-1/2", K-55	5,193.27'	
KB	10.00'	
Total Depth	5,847.72'	
PBTD	5,803.27'	

Cement job: lead 240 sks, "G" super, 47#/sk class G + 3#/sk poz + 34#/sk BA-91 + 3% salt + 2% gel + 2#/sk Cal Seal + .25#/sk Cello Seal. Tail in w/430 sks 50/50 poz + 2% gel + .25#/sk Cello Seal + 2#/sk Hi Seal #2. Rig Down.
 CC: \$187,600

02/18/96 WOCU

02/19/96 Completion
 MIRU Cannon Well Service Rig #2. MI pump and tanks. TIH w/4-3/4" bit, csg scrapper and 188 jts. 2-7/8" tbg. Tag PBTD at 5,801'KB. Circulate hole, clean w/130 bbls. 2% KCL water. Pressure test csg to 1,000 psi, OK. TOOH w/tbg and tools.
 DC: \$3,703

CC: \$3,703

02/21/96 SI. No work done.

DAILY OPERATING REPORT

Monument State #31-2-9-17CD

Location: NW NE Section 2, T9S, R17E

Uintah County, Utah

---TIGHT HOLE---

02/21/96 Completion

RU Schlumberger to RU CBL and perf. Run CBL from PBD to 1,100'KB w/1000 psi on csg. TOC at 1,300'KB. Perf 5,254' - 58', 4 SPF. RD Schlumberger. TIH w/RBP, retrieving tool, 2-3/8" x 4' sub, HD pkr, 2-3/8" x 2-7/8" cross ovre, and 170 jts tbg. Set BP at 5,283'KB, EOT 5,218'KB, pkr 5,210'KB. RU BJ Services to break down 5,254'-58'. Refer to treatment report. Could not get good break. Will treat w/250 gals 15% HCL on 2-22-96. SWIFD.

DC: \$5,252

CC: \$8,955

02/23/96 Completion

Release pkr, run across perfs w/pkr. Leave end of tbg at 5,249'KB. Spot acid on perfs. Pull up and set pkr at 5,210'KB. End of tbg at 5,218'KB. Break down 5,254'-58' w/ 250 gals 15% HCL acid and 2058 gals 2% KCL water, let acid sit on perfs 20 mins. ATP = 3,000 psi, ATR = 4.0 bpm, ISIP = 1,900 psi. TOOH w/tbg, pkr and retrieving tool. Frac 5,254'-58'. Fraced w/11,520 lbs 20/40 sand and 12,300 lbs 16/30 sand w/ 9,156 gals 2% KCL gelled water. ATP = 4,000 psi, ATR = 19.5 bmp, ISIP = 4,000 psi. Start frac. End frac, screen out w/9,600 lbs sand on formation. Bleed well down. TIH w/retrieving tool, 2-3/8" x 4' sub, HD pkr, 2-3/8" x 2-7/8" cross over, 2-7/8" SN and 137 jts 2-7/8" tbg. Tag 14' bridge at 2,920'KB, tag 10' bridge at 3,800'KB, tag solid sand fill at 4,237'KB. Circulate down to BP at 5,283'KB, used 24 bbls water. Pull up and set pkr at 5,210'KB, EOT at 5,218"KB. SWIFN.

DC: \$25,046

CC: \$34,001

02/23/96 Completion

Fluid level surface. Made 37 swab runs. Recovered 180 bbls water, trace oil, trace sand and gas cut. Fluid level at 3,150' last 2 runs.

DC: \$2065

CC: \$36,066

02/24/96 Completion

Release pkr, run in hole to check for fill, tag sand at 5,270'KB. Pull-up and reset pkr at 5,210'KB. Fluid level at 750'. Made 30 swab runs. Recovered 143 bbls water, trace oil, no sand, gas cut. Fluid level at 4,000' last 2 runs. SWIFN.

DC: \$1995

CC: \$38,061

02/25/96 Completion

Fluid level at 2,950'. Made 29 swab runs. Recovered 94 bbls water, trace oil, no sand. Fluid level at 5,050' last 2 runs. SWIFN. Recovered 80 bbls of water over load.

DC: \$1,932

CC: \$39,993

DAILY OPERATING REPORT**Monument State #31-2-9-17CD****Location: NW NE Section 2, T9S, R17E****Uintah County, Utah****---TIGHT HOLE---****02/26/96 Completion**

Fluid level 4,600', 1st run. Made 9 swab runs, recovered 1 bbl oil, 6 bbl water. Final fluid level 5,050', trace oil last 8 runs. Release pkr, tag sand at 5,275' KB. Circulate down to BP at 5,283' KB. Release BP. Pull BP to 5,236' KB. BP hung up in csg collar. Could not pull loose. TOOH w/tbg, pkr, & retrieving tool. TIH w/retrieving tool, bowen jars, bumper sub and 168 jts, 2-7/8" tbg. Jar BP loose, TOOH w/tbg & tools. Found cast steel pieces on top of BP. SWIFN.
 DC: \$3,255 CC: \$43,248

02/27/96 Completion

RU Schlumberger to set CIBP and perf. Set CIBP at 5,235'KB. Perf 4,906' - 25', 10 holes; 4,802' - 04', 2 holes; 4,795' - 4,801', 2 holes; 4,788' - 93', 3 holes; 4,783' - 87', 2 holes. RD Schlumberger. TIH w/RBP, retrieving tool, 2-3/8" x 4' sub, HD pkr, 2-3/8" x 2-7/8" cross over, 2-7/8" SN and 157 jts 2-7/8" tbg. Set BP at 4,878'KB, EOT at 4,751'KB, pkr at 4,744'KB. RU BJ Services to break down 4,802' - 4,787'. KCL break down w/1764 gals 2% KCL water. ATP = 3,000psi, ATR = 4.5bpm, ISIP = 900 psi. Used 42 bbls water. Reset BP at 4,972'KB, EOT at 4,875', pkr at 4,868'KB. Break down 4,906' - 25'. KCL break down w/1,764 gals 2% KCL water. ATP = 3,000psi, ATR = 4.8bpm, ISIP = 1,100psi. Used 42 bbls water. TOOH w/tbg, pkr and retrieving tool. RU and frac 4,783' - 4,925' w/single isotope trace in sand. Frac w/46,368 gals 2% KCL gelled water and 162,940 lbs 16/30 sand. ATP = 2,500psi, ATR = 37.3bpm, ISIP = 1,780psi, 5 min = 1,320psi, 10 min = 1,210psi, 15 min = 1,130psi, 30 min = 1,060psi. Used 1,104 bbls water. Start forced closure flowback 1.5 bpm, initial psi = 1,780. 98%, 2% sand, 0% oil. Final pressure at 620. Flowed back 225 bbls water.
 DC: \$45,787 CC: \$89,035

02/28/96 Completion

Flow back 290 bbls water, no oil, heavy sand. Change out BOP. TIH w/retrieving tool, 2-3/8" x 4' sub, HD pkr, 2-3/8" x 2-7/8" cross over, 2-7/8" SN and 154 jts tbg. Tag sand at 4,781'KB. Circulate down to BP 4,972'KB. Set pkr at 4,744'KB. Made 20 swab runs. Recovered 1 bbl oil and 104 bbls water, gas cut.
 DC: \$2,086 CC: \$91,121

02/29/96 Completion

Fluid level surface. Could not get swab down. Flush tbg w/10 bbls hot water. Made 31 swab runs. Recovered 8 bbls oil and 147 bbls water. Heavy sand. Oil 15% last 2 runs. Fluid level 1,250' last 2 runs. Good gas. SWIFN
 DC: \$2,178 CC: \$93,299

DAILY OPERATING REPORT

Monument State #31-2-9-17CD

Location: NW NE Section 2, T9S, R17E

Uintah County, Utah

---TIGHT HOLE---

03/01/96 Completion

Pump 10 bbls hot water down csg to get swab down. Made 27 swab runs. Recovered 33 bbls oil, 97 bbls water. oil 25% last 4 runs. Fluid level 2,000' last 3 runs. Release pkr, 4,936'KB. Circulate down to BP at 4,972'KB. Release BP. TOOH w/tbg, pkr and BP. SWIFD
 DC: \$3,879 CC: \$97,178

03/02/96 Completion

RU Cutter Wire Line and perf 4,783' - 87', 4,788' - 93', 4,795' - 4,801', 4,802' - 04', 4,906' - 25', 2 SPF. TIH w/production string (tbg) as follows:

	<u>Length</u>	<u>Depth KB</u>
1 - Notched pinned collar		.40' 4,995.45'
1 - jt 2-7/8" EUE, J-55, 8rd, 6.5#	29.59'	4,995.05'
1 - perf sub 2-7/8" x 4'	4.20'	4,965.46'
1 - SN 2-7/8"	1.10'	4,961.26'
7 - jts 2-7/8" EUE, J-55, 8rd, 6.5#	216.80'	4,960.16'
1 - tbg anchor 2-7/8" x 5-1/2 (TRICO)	2.35'	4,743.36'
153 - jts 2-7/8" EUE, J-55, 8rd, 6.5#	4,731.01'	4,741.01'
KB	10.00'	

ND BOP. ND sm well head, NU sm well head. Set tbg anchor w/10" tension. Flange up well head. TIH w/production string (rods) as follows:

1 - DHP 2-1/2" x 1-1/2" x 16' RHAC w/sm plunger (TRICO #1021)
 197 - 3/4" x 25' D-61 plain
 2 - 3/4" x 8' ponys
 1 - 3/4" x 2' ponys
 1 - polish rod 1-1/4" x 22' sm

Press test tbg to 750psi, ok. Used 5 bbls water. RDMO.

DC: \$23,799

CC: \$120,977

03/11/96 Completion

12:00 pm start well pumping. 6-1/4 SPM, 98" stroke. Pumper: Steve Farnsworth.

DC: \$13,159

CC: \$134,136

**MONUMENT STATE #31-2-9-17
NW NE Section 2, T9S, R17E
Uintah County, Utah
Attachment Section 32 for Completion Report**

<u>Depth Interval</u>	<u>Amount and Kind of Material Used</u>
5254' - 5258'	Break down with 1,680 gallons 2% KCL water. Break down with 250 gallons 15% HCL acid and 2,058 gallons 2% KCL water. Fracture with 11,520# 20/40 mesh sand and 12,300# 16/30 mesh sand with 9,156 gallons 2% KCL gelled water.
4783' - 4804'	Break down with 1,764 gallons 2% KCL water.
4906' - 4925'	Break down with 1,764 gallons 2% KCL water.
4783' - 4925'	Fracture with 162,940# 16/30 mesh sand with 46,368 gallons 2% KCL gelled water.

/mc

Attachment to completion

DAILY OPERATING REPORT**Monument State #31-2-9-17CD****Location: NW NE Section 2, T9S, R17E****Uintah County, Utah****---TIGHT HOLE---****500 FNL & 1980' FEL****PTD: 5850' Formation: Green River****Monument Butte Field****API #43-047-32563 (1-3-96)****Elevations: 5002' GL****Contractor: Union Drilling Rig 13****Operator: Balcron/EREC****Spud: 02/09/96 at 12:00 P.M.****Casing: 8-5/8", 24#, J-55 @ 261'****5-1/2", 15.5#, K-55 @ 5847.72'****Tubing: 2-7/8", 6.5#, J-55 @ 4995.45' KB****02/06/96 Work on location and road.****02/07/96 Work on location and road.****02/08/96 Finish location and road. Line pit.****02/09/96 MIRU. Spud well at 12:00 P.M. Ran 6 jts 8-5/8" csg, total footage ran - 251', set at 261'. BJ-Hughes cement with 160 axs. Plug down time 12:00 A.M.****02/10/96 TD: 280' (280') Day 1
Mud Properties: Air
Formation: Sand & Shale
Present Operation: WOC
NU. Test BOP, choke and csg. Drill, cement shoe, drilling 7-7/8".****02/11/96 TD: 1,276' (996') Day 2
Mud Properties: Air
Formation: Sand & Shale
Present Operation: Drilling 7-7/8" hole
Test BOP & choke. Drill 7-7/8" hole. Run surveys.****02/12/96 TD: 2,708' (1,432') Day 3
Mud Properties: Air
Formation: Sand & Shale
Present Operation: Drilling 7-7/8" hole
Drilling 7-7/8" hole.****02/13/96 TD: 3,980' (1,272') Day 4
Mud Properties: Air
Formation: Sand & Shale
Present Operation: Drilling
Drilling 7-7/8" hole. Load hole. Make bit trip.**

DC: \$22,896

CC: \$71,640

DAILY OPERATING REPORTMonument State #31-2-9-17CD

Location: NW NE Section 2, T9S, R17E

Uintah County, Utah

---TIGHT HOLE---

02/14/96 TD: 4,436' (456') Day 5
 Present Operation: Drilling 7-7/8" hole
 Drilling with water and run surveys.
 DC: \$8,208

CC: \$79,848

02/15/96 TD: 5,084' (648') Day 6
 Formation: Sand & Shale
 Present Operation: Drilling 7-7/8" hole
 Drill, rig service, survey. Drilling with water.
 DC: \$11,664

CC: \$91,512

2-16-96 TD: 5,775' (691') Day 7
 Formation: Sand & Shale
 Present Operation: Drilling
 Drill 7-7/8" hole.
 DC: \$12,438

CC: \$103,950

02/17/96 TD: 5,850' (35') Day: 8
 Formation: Sand & Shale
 Present Operation: Drilling
 Run 5-1/2" csg as follows:

Shoe	.90'	
Shoe joint, 5-1/2" csg, K-55		42.45'
Float Collar	1.10'	
133 jts, 5-1/2", K-55	5,193.27'	
KB	10.00'	
Total Depth	5,847.72'	
PBTD	5,803.27'	

Cement job: lead 240 sks, "G" super, 47#/sk class G + 3#/sk poz + 34#/sk BA-91 + 3% salt + 2% gel + 2#/sk Cal Seal + .25#/sk Cello Seal. Tail in w/430 sks 50/50 poz + 2% gel + .25#/sk Cello Seal + 2#/sk Hi Seal #2. Rig Down.
 CC: \$187,600

02/18/96 WOCU

02/19/96 Completion
 MIRU Cannon Well Service Rig #2. MI pump and tanks. TIH w/4-3/4" bit, csg scrapper and 188 jts. 2-7/8" tbg. Tag PBTD at 5,801'KB. Circulate hole, clean w/130 bbls. 2% KCL water. Pressure test csg to 1,000 psi, OK. TOOH w/tbg and tools.
 DC: \$3,703

CC: \$3,703

02/21/96 SI. No work done.

DAILY OPERATING REPORT

Monument State #31-2-9-17CD

Location: NW NE Section 2, T9S, R17E

Uintah County, Utah

---TIGHT HOLE---

02/21/96 Completion

RU Schlumberger to RU CBL and perf. Run CBL from PBD to 1,100'KB w/1000 psi on csg. TOC at 1,300'KB. Perf 5,254' - 58', 4 SPF. RD Schlumberger. TIH w/RBP, retrieving tool, 2-3/8" x 4' sub, HD pkr, 2-3/8" x 2-7/8" cross ovre, and 170 jts tbg. Set BP at 5,283'KB, EOT 5,218'KB, pkr 5,210'KB. RU BJ Services to break down 5,254'-58'. Refer to treatment report. Could not get good break. Will treat w/250 gals 15% HCL on 2-22-96. SWIFD.

DC: \$5,252

CC: \$8,955

02/23/96 Completion

Release pkr, run across perfs w/pkr. Leave end of tbg at 5,249'KB. Spot acid on perfs. Pull up and set pkr at 5,210'KB. End of tbg at 5,218'KB. Break down 5,254'-58' w/ 250 gals 15% HCL acid and 2058 gals 2% KCL water, let acid sit on perfs 20 mins. ATP = 3,000 psi, ATR = 4.0 bpm, ISIP = 1,900 psi. TOOH w/tbg, pkr and retrieving tool. Frac 5,254'-58'. Fraced w/11,520 lbs 20/40 sand and 12,300 lbs 16/30 sand w/ 9,156 gals 2% KCL gelled water. ATP = 4,000 psi, ATR = 19.5 bmp, ISIP = 4,000 psi. Start frac. End frac, screen out w/9,600 lbs sand on formation. Bleed well down. TIH w/retrieving tool, 2-3/8" x 4' sub, HD pkr, 2-3/8" x 2-7/8" cross over, 2-7/8" SN and 137 jts 2-7/8" tbg. Tag 14' bridge at 2,920'KB, tag 10' bridge at 3,800'KB, tag solid sand fill at 4,237'KB. Circulate down to BP at 5,283'KB, used 24 bbls water. Pull up and set pkr at 5,210'KB, EOT at 5,218"KB. SWIFN.

DC: \$25,046

CC: \$34,001

02/23/96 Completion

Fluid level surface. Made 37 swab runs. Recovered 180 bbls water, trace oil, trace sand and gas cut. Fluid level at 3,150' last 2 runs.

DC: \$2065

CC: \$36,066

02/24/96 Completion

Release pkr, run in hole to check for fill, tag sand at 5,270'KB. Pull-up and reset pkr at 5,210'KB. Fluid level at 750'. Made 30 swab runs. Recovered 143 bbls water, trace oil, no sand, gas cut. Fluid level at 4,000' last 2 runs. SWIFN.

DC: \$1995

CC: \$38,061

02/25/96 Completion

Fluid level at 2,950'. Made 29 swab runs. Recovered 94 bbls water, trace oil, no sand. Fluid level at 5,050' last 2 runs. SWIFN. Recovered 80 bbls of water over load.

DC: \$1,932

CC: \$39,993

DAILY OPERATING REPORT**Monument State #31-2-9-17CD****Location: NW NE Section 2, T9S, R17E****Uintah County, Utah****---TIGHT HOLE---****02/26/96 Completion**

Fluid level 4,600', 1st run. Made 9 swab runs, recovered 1 bbl oil, 6 bbl water. Final fluid level 5,050', trace oil last 8 runs. Release pkr, tag sand at 5,275' KB. Circulate down to BP at 5,283' KB. Release BP. Pull BP to 5,236' KB. BP hung up in csg collar. Could not pull loose. TOOH w/tbg, pkr, & retrieving tool. TIH w/retrieving tool, bowen jars, bumper sub and 168 jts, 2-7/8" tbg. Jar BP loose, TOOH w/tbg & tools. Found cast steel pieces on top of BP. SWIFN.
 DC: \$3,255 CC: \$43,248

02/27/96 Completion

RU Schlumberger to set CIBP and perf. Set CIBP at 5,235'KB. Perf 4,906' - 25', 10 holes; 4,802' - 04', 2 holes; 4,795' - 4,801', 2 holes; 4,788' - 93', 3 holes; 4,783' - 87', 2 holes. RD Schlumberger. TIH w/RBP, retrieving tool, 2-3/8" x 4' sub, HD pkr, 2-3/8" x 2-7/8" cross over, 2-7/8" SN and 157 jts 2-7/8" tbg. Set BP at 4,878'KB, EOT at 4,751'KB, pkr at 4,744'KB. RU BJ Services to break down 4,802' - 4,787'. KCL break down w/1764 gals 2% KCL water. ATP = 3,000psi, ATR = 4.5bpm, ISIP = 900 psi. Used 42 bbls water. Reset BP at 4,972'KB, EOT at 4,875', pkr at 4,868'KB. Break down 4,906' - 25'. KCL break down w/1,764 gals 2% KCL water. ATP = 3,000psi, ATR = 4.8bpm, ISIP = 1,100psi. Used 42 bbls water. TOOH w/tbg, pkr and retrieving tool. RU and frac 4,783' - 4,925' w/single isotope trace in sand. Frac w/46,368 gals 2% KCL gelled water and 162,940 lbs 16/30 sand. ATP = 2,500psi, ATR = 37.3bpm, ISIP = 1,780psi, 5 min = 1,320psi, 10 min = 1,210psi, 15 min = 1,130psi, 30 min = 1,060psi. Used 1,104 bbls water. Start forced closure flowback 1.5 bpm, initial psi = 1,780. 98%, 2% sand, 0% oil. Final pressure at 620. Flowed back 225 bbls water.
 DC: \$45,787 CC: \$89,035

02/28/96 Completion

Flow back 290 bbls water, no oil, heavy sand. Change out BOP. TIH w/retrieving tool, 2-3/8" x 4' sub, HD pkr, 2-3/8" x 2-7/8" cross over, 2-7/8" SN and 154 jts tbg. Tag sand at 4,781'KB. Circulate down to BP 4,972'KB. Set pkr at 4,744'KB. Made 20 swab runs. Recovered 1 bbl oil and 104 bbls water, gas cut.
 DC: \$2,086 CC: \$91,121

02/29/96 Completion

Fluid level surface. Could not get swab down. Flush tbg w/10 bbls hot water. Made 31 swab runs. Recovered 8 bbls oil and 147 bbls water. Heavy sand. Oil 15% last 2 runs. Fluid level 1,250' last 2 runs. Good gas. SWIFN
 DC: \$2,178 CC: \$93,299

DAILY OPERATING REPORT

Monument State #31-2-9-17CD

Location: NW NE Section 2, T9S, R17E

Uintah County, Utah

---TIGHT HOLE---

03/01/96 Completion

Pump 10 bbls hot water down csg to get swab down. Made 27 swab runs. Recovered 33 bbls oil, 97 bbls water. oil 25% last 4 runs. Fluid level 2,000' last 3 runs. Release pkr, 4,936'KB. Circulate down to BP at 4,972'KB. Release BP. TOOH w/tbg, pkr and BP. SWIFD
 DC: \$3,879 CC: \$97,178

03/02/96 Completion

RU Cutter Wire Line and perf 4,783' - 87', 4,788' - 93', 4,795' - 4,801', 4,802' - 04', 4,906' - 25', 2 SPF. TIH w/production string (tbg) as follows:

	<u>Length</u>	<u>Depth KB</u>
1 - Notched pinned collar		.40' 4,995.45'
1 - jt 2-7/8" EUE, J-55, 8rd, 6.5#	29.59'	4,995.05'
1 - perf sub 2-7/8" x 4'	4.20'	4,965.46'
1 - SN 2-7/8"	1.10'	4,961.26'
7 - jts 2-7/8" EUE, J-55, 8rd, 6.5#	216.80'	4,960.16'
1 - tbg anchor 2-7/8" x 5-1/2 (TRICO)	2.35'	4,743.36'
153 - jts 2-7/8" EUE, J-55, 8rd, 6.5#	4,731.01'	4,741.01'
KB	10.00'	

ND BOP. ND sm well head, NU sm well head. Set tbg anchor w/10" tension. Flange up well head. TIH w/production string (rods) as follows:

1 - DHP 2-1/2" x 1-1/2" x 16' RHAC w/sm plunger (TRICO #1021)
 197 - 3/4" x 25' D-61 plain
 2 - 3/4" x 8' ponys
 1 - 3/4" x 2' ponys
 1 - polish rod 1-1/4" x 22' sm

Press test tbg to 750psi, ok. Used 5 bbls water. RDMO.

DC: \$23,799

CC: \$120,977

03/11/96 Completion

12:00 pm start well pumping. 6-1/4 SPM, 98" stroke. Pumper: Steve Farnsworth.

DC: \$13,159

CC: \$134,136

DOGM SPEED LETTER

To: Ed Bonner

From: Don Staley

School & Institutional Trust

Division of Oil, Gas & Mining

Lands Administration

Subject: Operator Change

MESSAGE

Date 1/5 19 98

Ed,

For your information, attached are copies of documents regarding an operator change on a state lease(s)

These companies have complied with our requirements. Our records have been updated. Bonding should be reviewed by your agency ASAP.

Former Operator: Equitable Resources Energy (N9890)

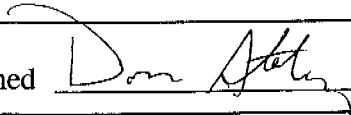
New Operator: Inland Production Company (N5160)

Well(s):	API:	Entity:	S-T-R:	Lease:
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(See attached list)

cc: Operator File

Signed



REPLY

Date _____ 19 ____

Signed _____

Well(s):	API:	Entity:	S-T-R:	Lease:
State 16-2	43-013-30552	01451	16-9S-17E	ML3453B
K Jorgenson 16-4	43-013-30572	01452	16-9S-17E	ML3453B
Monument 11-36-8-17Y	43-047-32764	12095	36-8S-17E	ML44305
Monument 24-2	43-047-32612	11736	2-9S-17E	ML45555
Monument 13-2	43-013-31482	11738	2-9S-17E	ML45555
Monument 12-2	43-013-31481	11745	2-9S-17E	ML45555
Monument 21-2-9-17	43-047-32703	11863	2-9S-17E	ML45555
Monument 31-2-9-17CD	43-047-32563	11878	2-9S-17E	ML45555
Monument 11-2-9-17CD	43-013-31685	11995	2-9S-17E	ML45555
Monument 32-2	43-047-32737	12000	2-9S-17E	ML45555
Castle Draw 8-2	43-047-32842	99999	2-9S-17E	ML45555
Castle Draw 1-2	43-047-32843	99999	2-9S-17E	ML45555
Monument 14-2	43-013-31425	11656	2-9S-17E	ML45555
Monument 22-2	43-047-32610	11742	2-9S-17E	ML45555

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM - FORM 6

OPERATOR INLAND PRODUCTION COMPANY
ADDRESS _____

OPERATOR ACCT. NO. 5160

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
D	11736	12275	43-047-32612	MONUMENT 24-2		2	9S	17E	UINTAH		9-30-97
WELL 1 COMMENTS: *OPERATOR CHANGE FR EQUITABLE RES. EFF 9-30-97. (CASTLE DRAW SECONDARY RECOVERY UNIT) INLAND REQUESTS A COMMON ENTITY FOR WELLS WITHIN THE UNIT FOR TAX & REPORTING PURPOSES.											
D	11738	12275	43-013-31482	MONUMENT 13-2		2	9S	17E	DUCHESNE		9-30-97
WELL 2 COMMENTS:											
D	11745	12275	43-013-31481	MONUMENT 12-2		2	9S	17E	DUCHESNE		9-30-97
WELL 3 COMMENTS:											
D	11863	12275	43-047-32703	MONUMENT 21-2-9-17		2	9S	17E	UINTAH		9-30-97
WELL 4 COMMENTS:											
D	11878	12275	43-047-32563	MONUMENT 31-2-9-17CD		2	9S	17E	UINTAH		9-30-97
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)
 A - Establish new entity for new well (single well only)
 B - Add new well to existing entity (group or unit well)
 C - Re-assign well from one existing entity to another existing entity
 D - Re-assign well from one existing entity to a new entity
 E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

L. CORDOVA (DOGM)
 Signature
ADMIN. ANALYST 12-19-97
 Title Date
 Phone No. ()

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☒ GAS ☐ OTHER:

2. Name of Operator:

Inland Production Company

3. Address and Telephone Number:

475 - 17th Street, Suite 1500, Denver, CO 80202

4. Location of Well

Footages: See Attached Exhibit

QQ, Sec., T., R., M.:

5. Lease Designation and Serial Number:

See Attached

6. # Indian, Allottee or Tribe Name:

n/a

7. Unit Agreement Name:

See Attached

8. Well Name and Number:

See Attached

9. API Well Number:

See Attached

10. Field and Pool, or Wildcat:

See Attached

County:

State:

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)

- | | |
|---|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recomplete |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Change of Operator</u> | |

Approximate date work will start _____

SUBSEQUENT REPORT (Submit Original Form Only)

- | | |
|---|---|
| <input type="checkbox"/> Abandon * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Change of Operator</u> | |

Date of work completion 9-30-97

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Effective September 30, 1997, Inland Production Company will take over operations of the wells on the attached list. The previous operator was :

Equitable Resources Energy Company
1601 Lewis Avenue
Billings, MT 59102

Effective September 30, 1997, Inland Production Company is responsible under the terms and conditions of the leases for operations conducted on the leased lands or a portion thereof under State of Utah Statewide Bond No. 4471291.

OCT 10 1997

13.

Name & Signature:

Chris A. Potter

CHRIS A. POTTER, ATTORNEY-IN-FACT

Date:

9/30/97

This space for State use only)

StateWells

Inland Change of Operator						
WELL NAME	LOCATION	COUNTY	STATE	FIELD NAME	API NUMBER	LEASE
✓ MONUMENT STATE #31-2CD	NW NE 2 9S 17E	UINTAH	UT	MONUMENT BUTTE (CD)	43-047-32563-00	ML-45555
✓ MONUMENT STATE #32-2-9-17	SWNE 2 9S 17E	UINTAH	UT	UNDESIGNATED (CD)	43-047-32737-00	ML45555
✓ MONUMENT STATE #11-2-91-17	NW NW 2 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (CD)	43-013-31685-00	ML45555
✓ MONUMENT STATE #11-36Y	NW NW 368S 17E	UINTAH	UT	MONUMENT BUTTE (CD)	43-047-32764-00	ML-44555
✓ MONUMENT BUTTE STATE #12-2	SWNW 2 9S 17E	DUCHESNE	UT	UNDESIGNATED (CD)	43-013-31481-00	ML45555
✓ MONUMENT BUTTE STATE #13-2	NWSW 2 9S 17E	DUCHESNE	UT	UNDESIGNATED (CD)	43-013-31482-00	ML-45555
✓ MONUMENT BUTTE STATE #24-2	SESW 2 9S 17E	UINTAH	UT	UNDESIGNATED (CD)	43-047-32612-00	MT-45555
MONUMENT BUTTE STATE #14-2	SW SW 2 9S 17E	DUCHESNE	UT	UNDESIGNATED (CD)	43-013-31425-00	UTU45555
MONUMENT BUTTE STATE #22-2	SE NW 2 9S 17E	UINTAH	UT	UNDESIGNATED (CD)	43-047-32610-00	UTU45555
✓ MONUMENT STATE #21-2-9-17	NE NW 2 9S 17E	UINTAH	UT	UNDESIGNATED (CD)	43-047-32703-00	ML-45555

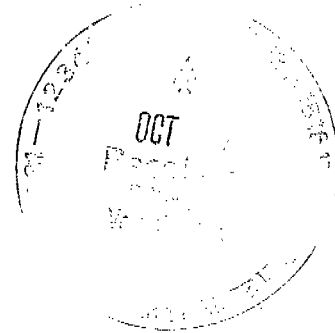


RECEIVED

OCT 10 1997

October 7, 1997

Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal, UT 84078



RE: Change of Operator
Duchesne & Vernal Counties, Utah

Dear Mr. Forsman:

Please find attached Sundry Notices and Reports on Wells for Change of Operator, previously operated by Equitable Resources Energy Company for approval.

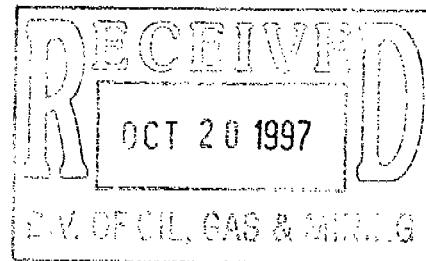
If you should have questions regarding this matter, please do not hesitate to contact me at the number listed below.

Sincerely,

INLAND PRODUCTION COMPANY

Patsy Barreau
Patsy Barreau

/pb
encls.





EQUITABLE RESOURCES ENERGY COMPANY

WESTERN REGION

(406) 259-7860 Telephone

(406) 245-1361 Fax

December 10, 1997

Lisha
State of Utah
Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, UT 84114-5801

Dear Lisha:

RE: Equitable Sale of Utah Properties

Effective September 30, 1997, Equitable Resources Energy Company sold all of its Utah properties to Inland Production Company.

Please feel free to contact me if you require additional information.

Sincerely,

Molly Conrad
Agent for Equitable Resources
Energy Company

/mc



Crazy Mountain Oil & Gas Services
P.O. Box 577
Laurel, MT 59044
(406) 628-4164
(406) 628-4165

TO: Lisha
St of Utah.

FROM. Molly Conrad
Crazy Mountain Oil & Gas Services
(406) 628-4164

Pages Attached - Including Cover Sheet 2.

NOTE: Here is the letter you requested.
Call if you need anything
further.

OPERATOR CHANGE WORKSHEET

Attach all documentation received by the division regarding this change.

Initial each listed item when completed. Write N/A if item is not applicable.

Routing	
1-LEC	6-IEC
2-GLH	7-KAS
3-DTS	8-SI
4-VLD	9-FILE
5-JRB	

☒ Change of Operator (well sold)☐ Designation of Agent☐ Designation of Operator☐ Operator Name Change Only

PAGE 1 of 2

The operator of the well(s) listed below has changed, effective: 9-30-97

TO: (new operator) INLAND PRODUCTION COMPANY
 (address) PO BOX 1446
ROOSEVELT UT 84066

Phone: (801) 722-5103Account no. N5160

FROM: (old operator) EQUITABLE RESOURCES ENERGY
 (address) C/O CRAZY MTN O&G SVS'S
PO BOX 577

LAUREL MT 59044Phone: (406) 628-4164Account no. N9890

WELL(S) attach additional page if needed:

***CASTLE DRAW SEC. REC. UNIT**

Name: *MONUMENT 31-2-9-17CD/GR	API: 43-047-32563	Entity: 11878	S	2	T	9S	R	17E	Lease: ML45555
Name: *MONUMENT 11-2-9-17CD/GR	API: 43-013-31685	Entity: 11995	S	2	T	9S	R	17E	Lease: ML45555
Name: *MONUMENT 32-2/GR	API: 43-047-32737	Entity: 12000	S	2	T	9S	R	17E	Lease: ML45555
Name: *CASTLE DRAW 8-2/DRL	API: 43-047-32842	Entity: 99999	S	2	T	9S	R	17E	Lease: ML45555
Name: *CASTLE DRAW 1-2/DRL	API: 43-047-32843	Entity: 99999	S	2	T	9S	R	17E	Lease: ML45555
Name: *MONUMENT 14-2/WIW	API: 43-013-31425	Entity: 11656	S	2	T	9S	R	17E	Lease: ML45555
Name: *MONUMENT 22-2/WIW	API: 43-047-32610	Entity: 11742	S	2	T	9S	R	17E	Lease: ML45555

OPERATOR CHANGE DOCUMENTATION

- LEC 1. (r649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator (attach to this form). *(Rec'd 12-10-97)*
- LEC 2. (r649-8-10) Sundry or other legal documentation has been received from the **NEW** operator (Attach to this form). *(Rec'd 10-20-97)*
- N/A 3. The **Department of Commerce** has been contacted if the new operator above is not currently operating any wells in Utah. Is the company **registered with the state?** (yes/no) ____ If yes, show company file number: _____
- N/A 4. **FOR INDIAN AND FEDERAL WELLS ONLY.** The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of **Federal** and **Indian** well operator changes should ordinarily take place prior to the division's approval, and before the completion of **steps 5 through 9** below.
- LEC 5. Changes have been entered in the **Oil and Gas Information System** (3270) for each well listed above. *(12-19-97)*
- LEC 6. **Cardex** file has been updated for each well listed above. *(12-19-97)*
- LEC 7. Well **file labels** have been updated for each well listed above. *(12-19-97)*
- LEC 8. Changes have been included on the monthly "Operator, Address, and Account Changes" **memo** for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. *(12-19-97)*
- LEC 9. A folder has been set up for the **Operator Change file**, and a copy of this page has been placed there for **reference during routing and processing of the original documents.**

ENTITY REVIEW

- Y 1. (r649-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) ____ If entity assignments were changed, attach copies of Form 6, Entity Action Form.
- Y 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been notified through normal procedures of entity changes.

BOND VERIFICATION - (FEE WELLS ONLY) *Trust Lands (\$80,000) Surety No. 4471291 "Hartford Acc. & Ind. Co."*

- Y 1. (r649-3-1) The NEW operator of any fee lease well listed above has furnished a proper bond.
- N/A 2. A copy of this form has been placed in the new and former operator's bond files.
- N/A 3. The FORMER operator has requested a release of liability from their bond (yes/no) ____, as of today's date _____. If yes, division response was made to this request by letter dated _____.

LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY

- DT 1. Copies of documents have been sent on 1/5/98 to Ed Bunner at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.
- N/A 2. (r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter dated _____ 19 ___, of their responsibility to notify all interest owners of this change.

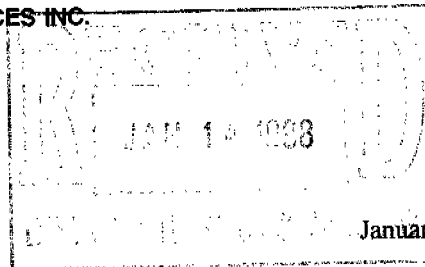
FILMING

- Y 1. All attachments to this form have been microfilmed. Today's date: 1.20.98.

FILING

- ___ 1. Copies of all attachments to this form have been filed in each well file.
- ___ 2. The original of this form, and the original attachments are now being filed in the Operator Change file.

COMMENTS



Mr. Dan Jarvis
State of Utah
Division of Oil, Gas and Mining
P. O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Permit Application for Water Injection Well
Monument State #31-2-9-17CD
Monument Butte Field, Lease #ML-45555
Section 2-Township 9S-Range 17E
Uintah County, Utah

Dear Mr. Jarvis:

Inland Production Company herein requests the following approval(s):

1. Conversion of the Monument State #31-2-9-17CD from a producing oil well to a water injection well in the Monument Butte (Green River) Field;
2. Installation of an injection flowline. The injection facility is located at the Monument State #14-2 well. The existing water injection line leaves the facility and proceeds in a northerly direction to the Monument State #22-2 well. Inland proposes to install an injection line that would tie into the existing line located at the Monument State #22-2. The line would run 1980' in a northwesterly direction, and would be a 3" coated steel pipe, buried 5' below the surface.

I hope you find this application complete; however, if you have any questions or require additional information, please contact Debbie Knight at (303) 376-8117.

Sincerely,

Kevin S. Weller
Senior Reservoir Engineer

INLAND PRODUCTION COMPANY
APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL
MONUMENT STATE #31-2-9-17CD
MONUMENT BUTTE FIELD (GREEN RIVER) FIELD
LEASE #ML-45555
JANUARY 7, 1998

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COMPLETED RULE R615-5-2 QUESTIONNAIRE	
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ATTACHMENT E-6	WELLBORE DIAGRAM – MONUMENT STATE #1-2 (WAITING ON COMPLETION)
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ATTACHMENT G-2	FRACTURE REPORT DATED 2-27-97
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ATTACHMENT H-1	WELLBORE DIAGRAM OF PROPOSED PLUGGED WELL

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR INJECTION WELL - UIC FORM 1

OPERATOR Inland Production Company
ADDRESS P.O. Box 790233 Vernal, UT 84079

Well Name and number: Monument State #31-2-9-17CD
Field or Unit name: Monument Butte (Green River) *Cash Draw* Lease No. ML-45555
Well Location: QQ NWNE section 2 township 9S range 17E county Uintah

Is this application for expansion of an existing project? Yes [X] No []

Will the proposed well be used for: Enhanced Recovery? Yes [X] No []
Disposal? Yes [] No [X]
Storage? Yes [] No [X]

Is this application for a new well to be drilled? Yes [] No [X]

If this application is for an existing well,
has a casing test been performed on the well? Yes [X] No []

Date of test: 2/18/97

API number: 43-047-32563

Proposed injection interval: from 4783' to 5258'
Proposed maximum injection: rate 500 bpd pressure 1759 psig
Proposed injection zone contains [] oil, [] gas, and/or [] fresh water within 1/2
mile of the well.

IMPORTANT: Additional information as required by R615-5-2 should
accompany this form.

List of Attachments: Exhibits "A" through "G"

I certify that this report is true and complete to the best of my knowledge.

Name: Kevin S. Weller Signature *Kevin S. Weller*
Title Senior Reservoir Engineer Date 1/7/98
Phone No. (303) 376-8131

(State use only)

Application approved by _____ Title _____

Approval Date _____

Comments:



Elev. GR - 5,002'
Elev. KB -

Monument State #31-2-9-17CD
NW NE Sec. 2, T9S, R17E
500' FNL & 1980' FEL
Lease No.
Castle Draw Field
Unitah County, UT

PROPOSED INJECTION

DATE : 3/6/96

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 251.9'
DEPTH LANDED: 261.9'
HOLE SIZE: 12-1/4"
CEMENT DATA: 160 sxs G & 2% CaCl₂ +
1/4# per sx cello flakes

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: K-55
WEIGHT: 15.5#
LENGTH: 5837.72'
DEPTH LANDED: 5847.72' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 240 sxs super G, 47#/sx class G
+ 3#/sx poz + 34#/sx BA-91 + 3%
salt + 2% gel + 2#/sx cello seal
Tail w/430 sxs 50/50 poz + 2% gel
+ .25#/sx hi seal #2.
CEMENT TOP AT: 1300' KB

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 153 jts (4731.01')
TUBING ANCHOR: trico 2.35' @ 4743.36' KB
NO. OF JOINTS: 7 jts (216.80')
SEATING NIPPLE: 1.10' @ 49961.21' KB
PERFORATED SUB: 4.2'
MUD ANCHOR: 1 jt - 29.99' w/NC
STRING LENGTH: 4985.45'
SN LANDED AT: 4961.26' KB

SUCKER RODS

POLISHED ROD: 1-1/4" x 22'
SUCKER RODS: two - 3/4" x 8' Pony
197 - 3/4" x 25' D-61 Plain

STRING LENGTH: 4981'

PUMP NUMBER:
PUMP SIZE:

STROKE LENGTH:
PUMP SPEED, SPM:
PUMPING UNIT:
PRIME MOVER:

LOGS:

ACID JOB /BREAKDOWN

2/21/96	BJ Services	5254' - 5258': 1680 gal 2% KCL wtr w/32 balls, ball out. ATR-4.2 bpm, ATP-3500, no ISIP. No good break.
2/22/96	BJ Services	5254' - 5258': 250 gal 15% HCL acid, 2058 gal 2% KCL wtr w/32 balls, surge balls off. ATR-4.0 bpm, ATP-3000, ISIP-1900
2/27/96	BJ Services	4906' - 4925': 1764 gal 2% KCl wtr w/20 balls, surge balls off. ATR-4.8 bpm, ATP-3000, ISIP-1100. 4783' - 4804': 1764 gal 2% KCl wtr w/18 balls, surge balls off. ATR-4.5 bpm, ATP-3000, ISIP-900.

FRAC JOB

2/22/96	BJ Services	5254' - 5258': 9156gal 2% KCl wtr w/11520 lbs 20/40 & 12300 lbs 16/30, flush w/2562 gal 2% KCl wtr. ATP-4000, ATR-19.5 bpm, ISIP-4000
2/27/96	BJ Services	4783' - 4925': 46368gal 2% KCl wtr w/162,940 lbs 16/30, flush w/4746gal 2% KCl wtr. ATR-37.3 bpm, ATP-2500, ISIP-1780, 5 min-1320, 10 min-1210, 15 min-1130, 30 min-1060.

PERFORATION RECORD

2/21/96	Schlumberger	5254' - 5258' 4 SPF 4 ft 16 holes
2/27/96	Schlumberger	4906' - 4925' 10 holes 4802' - 4804' 2 holes 4795' - 4801' 2 holes 4788' - 4793' 3 holes 4783' - 4787' 2 holes

Set packer at 5154'

SN LANDED @ 4961.25' KB
EOT LANDED @ ' KB

PBTD @ 5801' KB
TD @ 5850' KB

WORK PROCEDURE FOR INJECTION CONVERSION

- 1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.**
- 2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.**
- 3. Test casing and packer.**
- 4. Rig down, move out.**

**REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS
RULE R615-5-1**

- 1. Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.**
- 2. A request for agency action for authority for the injection of gas, liquified petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:**

2.1 The name and address of the operator of the project.

Inland Production Company
475 17th Street, Suite 1500
Denver, Colorado 80202

2.2 A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.

See Attachment A

2.3 A full description of the particular operation for approval is requested.

Approval is requested to convert the Monument State #31-2-9-17CD from a producing oil well to a water injection well in the Monument Butte (Green River) Field; and to install an injection line. The injection facility is located at the Monument State #14-2 well. The existing water injection line leaves the facility and proceeds in a northerly direction to the Monument State #22-2 well. Inland proposes to install an injection line that would tie into the existing line at the Monument State #22-2. The line would run 1980' in a northwesterly direction, and would be a 3" coated steel pipe, buried 5' below the surface. See Attachment D.

2.4 A description of the pools from which the identified wells are producing or have produced.

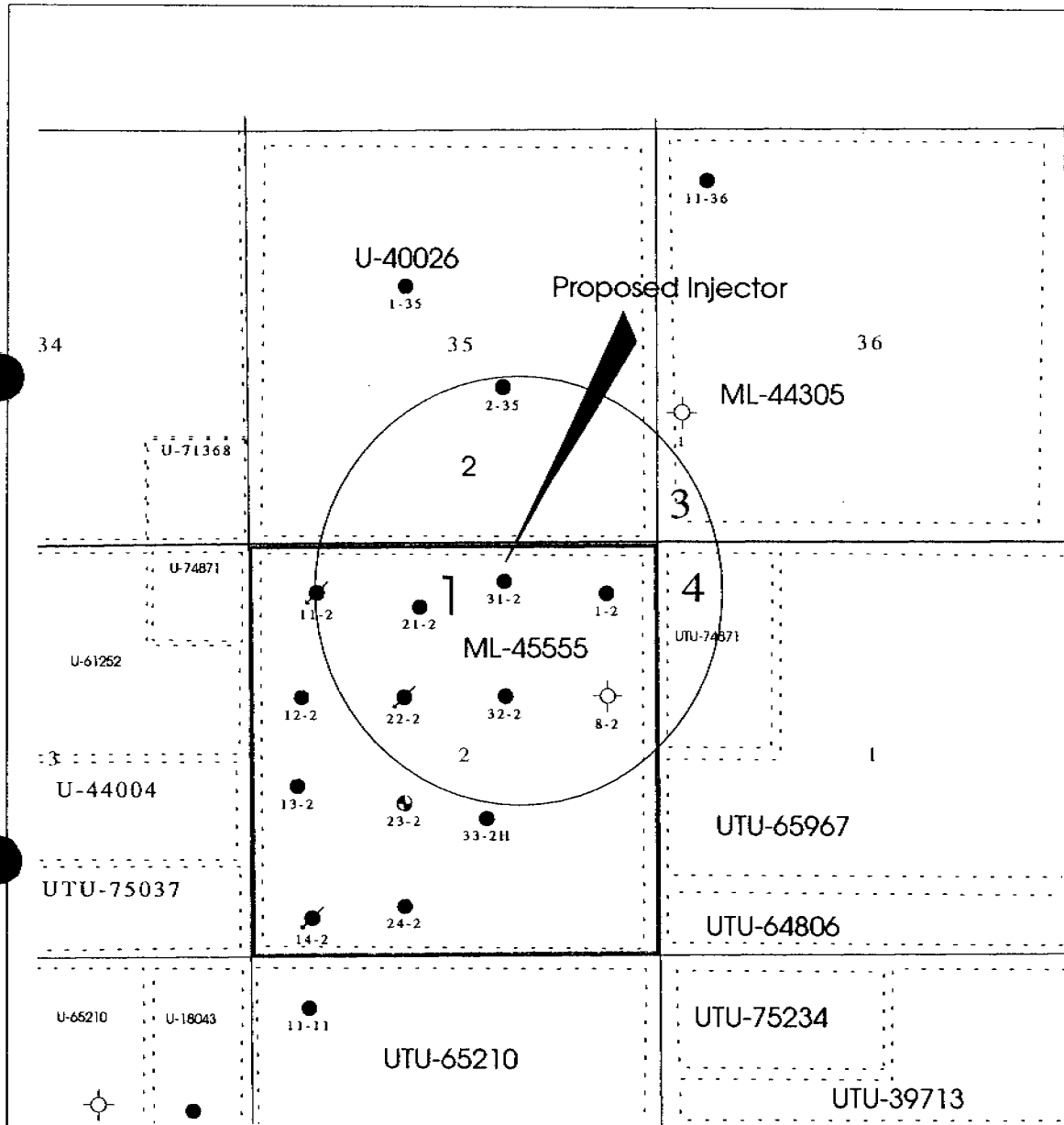
The proposed injection well will inject into the Green River Formation.

2.5 The names, description and depth of the pool or pools to be affected.

The injection zone is in the Douglas Creek Member of the Green River Formation. At the Monument State #31-2-9-17CD well, the proposed injection zone is from 4783'-5258'. The confining stratum directly above and below the injection zone is the Douglas Creek Member of the Green River Formation, with the Douglas Creek Marker top at 4704'.

2.6 A copy of a log of a representative well completed in the pool.

The referenced log for the Monument State #31-2-9-17CD is on file with the Utah Division of Oil, Gas and Mining.



CASTLE DRAW DUCESNE & UINTAH COUNTY, UTAH MINERAL RIGHTS

(GRAZING RIGHTS ONLY)
LESSEE: STRAWBERRY RIVER LIVESTOCK INC

EXHIBIT

Legend

- PRODUCING WELL
- EXISTING INJECTION WELL
- DRY HOLE

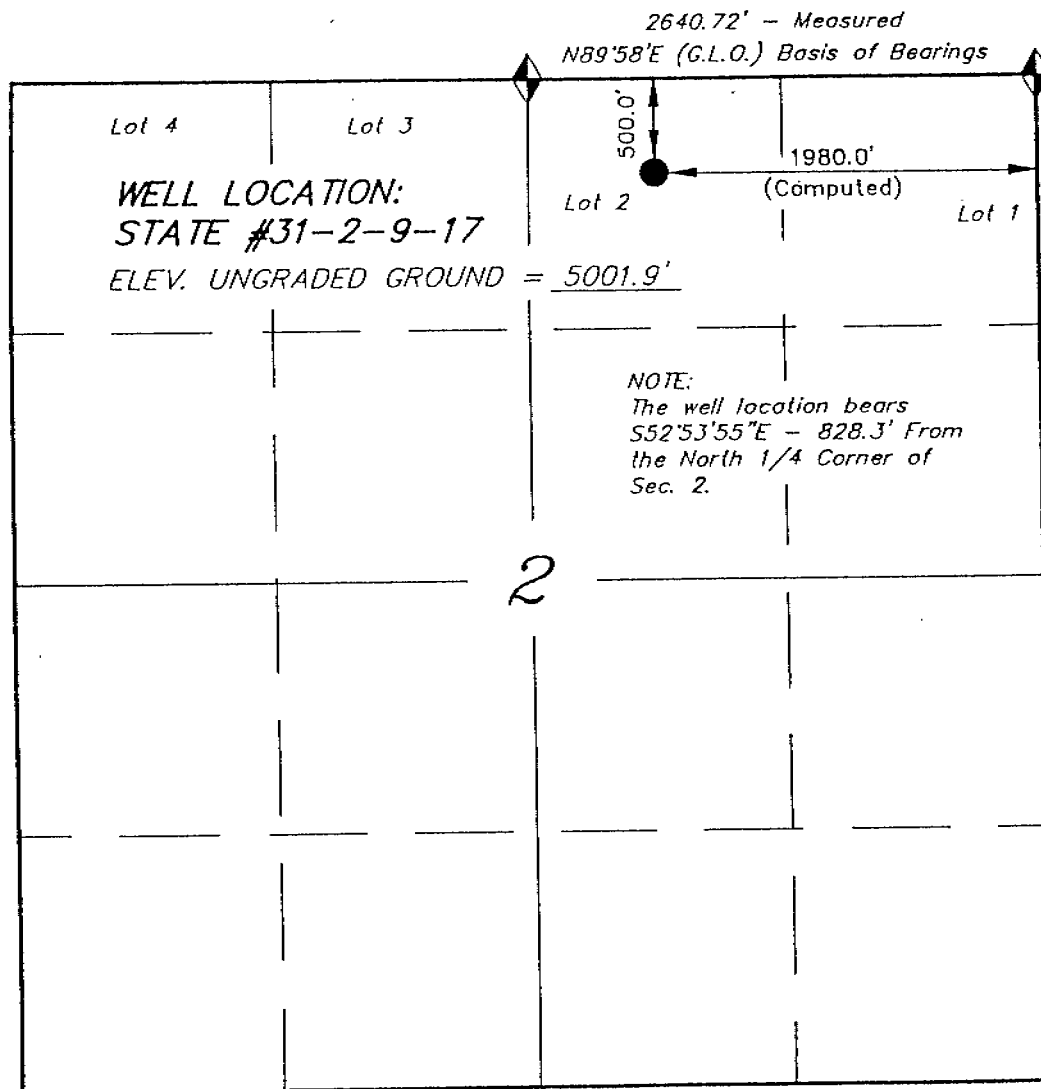
CASTLE DRAW STATE 31-2 5850 TD



T9S, R17E, S.L.B.&M.

EQUITABLE RESOURCES ENERGY CO.

WELL LOCATION, STATE #31-2-9-17,
LOCATED AS SHOWN IN LOT 2 OF SECTION
2, T9S, R17E, S.L.B.&M. UTAH
COUNTY, UTAH.



NOTE:
The well location bears
S52°53'55"E - 828.3' From
the North 1/4 Corner of
Sec. 2.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS
MADE BY ME OR UNDER MY SUPERVISION AND THAT
THE SAME ARE TRUE AND CORRECT TO THE BEST OF
MY KNOWLEDGE AND BELIEF

Dana Stewart

REGISTERED LAND SURVEYOR
REGISTRATION No. 1441022
STATE OF UTAH

TRI STATE LAND SURVEYING & CONSULTING
38 WEST 100 NORTH - VERNAL, UTAH 84078
(801) 781-2501

SCALE: 1" = 1000'	SURVEYED BY: S.S. G.O. I.M.
DATE: 10-10-95	WEATHER: FAIR
NOTES:	FILE #



= SECTION CORNERS LOCATED

BASIS OF BEARINGS; G.L.O. DATED 1909

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (PARIETTE DRAW SW)

Attachment A-1

EXHIBIT B

Page 2

Tract	Land Description	Minerals Ownership	Minerals Leased By	Federal or State # & Expires	Surface Grazing Rights Leased By
4	Township 9 South, Range 17 East Section 1: W/2NW/4	USA	Wildrose Resources Corporation	UTU-74871	(Surface Rights) USA (Grazing Rights) Strawberry River Livestock Inc.



Elev. GR - 5,002'
Elev. KB -

WELLBORE DIAGRAM

Attachment E
Monument State #31-2-9-17CD
NW NE Sec. 2, T9S, R17E
500' FNL & 1980' FEL
Lease No.
Castle Draw Field
Unitah County, UT

DATE : 3/6/96

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 251.9'
DEPTH LANDED: 261.9'
HOLE SIZE: 12-1/4"
CEMENT DATA: 160 sxs G & 2% CaCl₂ +
1/4# per sx cello flakes

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: K-55
WEIGHT: 15.5#
LENGTH: 5837.72'
DEPTH LANDED: 5847.72' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 240 sxs super G, 47#/sx class G
+ 3#/sx poz + 34#/sx BA-91 + 3%
salt + 2% gel + 2#/sx cello seal
Tail w/430 sxs 50/50 poz + 2% gel
+ .25#/sx hi seal #2.
CEMENT TOP AT: 1300' KB

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 153 jts (4731.01')
TUBING ANCHOR: trico 2.35' @ 4743.36' KB
NO. OF JOINTS: 7 jts (216.80')
SEATING NIPPLE: 1.10' @ 49961.21' KB
PERFORATED SUB: 4.2'
MUD ANCHOR: 1 jt - 29.99' w/NC
STRING LENGTH: 4985.45'
SN LANDED AT: 4961.26' KB

SUCKER RODS

POLISHED ROD: 1-1/4" x 22'
SUCKER RODS: two - 3/4" x 8' Pony
197 - 3/4" x 25' D-61 Plain

STRING LENGTH: 4981'

PUMP NUMBER:
PUMP SIZE:

STROKE LENGTH:
PUMP SPEED, SPM:
PUMPING UNIT:
PRIME MOVER:

LOGS:

ACID JOB /BREAKDOWN

2/21/96	BJ Services	5254' - 5258': 1680 gal 2% KCL wtr w/32 balls, ball out. ATR-4.2 bpm, ATP-3500, no ISIP. No good break.
2/22/96	BJ Services	5254' - 5258': 250 gal 15% HCL acid, 2058 gal 2% KCL wtr w/32 balls, surge balls off. ATR-4.0 bpm, ATP-3000, ISIP-1900
2/27/96	BJ Services	4906' - 4925': 1764 gal 2% KCl wtr w/20 balls, surge balls off. ATR-4.8 bpm, ATP-3000, ISIP-1100. 4783' - 4804': 1764 gal 2% KCl wtr w/18 balls, surge balls off. ATR-4.5 bpm, ATP-3000, ISIP-900.

FRAC JOB

2/22/96	BJ Services	5254' - 5258': 9156gal 2% KCl wtr w/11520 lbs 20/40 & 12300 lbs 16/30, flush w/2562 gal 2% KCl wtr. ATP-4000, ATR-19.5 bpm, ISIP-4000
2/27/96	BJ Services	4783' - 4925': 46368gal 2% KCl wtr w/162,940 lbs 16/30, flush w/4746gal 2% KCl wtr. ATR-37.3 bpm, ATP-2500, ISIP-1780, 5 min-1320, 10 min-1210, 15 min-1130, 30 min-1060.

PERFORATION RECORD

2/21/96	Schlumberger	5254' - 5258' 4 SPF 4 ft 16 holes
2/27/96	Schlumberger	4906' - 4925' 10 holes 4802' - 4804' 2 holes 4795' - 4801' 2 holes 4788' - 4793' 3 holes 4783' - 4787' 2 holes

SN LANDED @ 4961.25' KB
EOT LANDED @ ' KB

PBTD @ 5801' KB
TD @ 5850' KB



Elev.GR - 5044' GL
Elev.KB - 5054' KB (10' KB)

Attachment E-1
Monument State #11-2-9-17CD
Monument Butte
State ML-45555
NW NW Section 2, T9S, R17E
634' FNL, 863' FWL
Duchesne County, Utah

INJECTION
WELLBORE DIAGRAM

DATE : 11/7/96 DZ

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 246'
DEPTH LANDED: 256' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: BJ Services: 160 sks.

PRODUCTION CASING

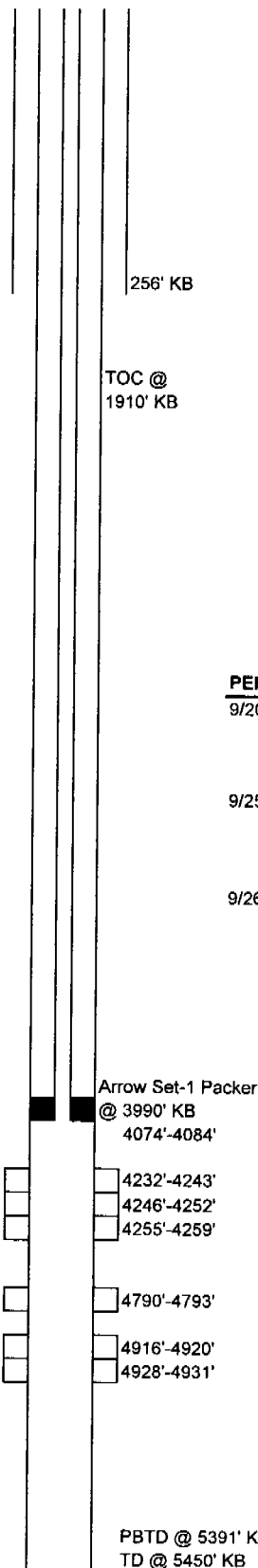
CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 5429'
DEPTH LANDED: 5439' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: BJ Services: 155 sks Super "G" w/
3% salt, 2% gel, 2#/sk Kolseal,
1/4#/sk Celloflake. Tail w/ 280 sks of
50/50 POZ w/ 2% gel, 2#/sk Kolseal,
1/4#/sk Celloflakes.

CEMENT TOP AT: 1910' KB

TUBING

SIZE/GRADE/WT.: 2-7/8" 8rd EUE/J-55/6.5#
NO. OF JOINTS: 128 Jts (3978.92')
SEATING NIPPLE: 2-7/8"x1.10'
ARROW SET 1 PACKER: 2-3/8"x5-1/2"x6.20'
PACKER LANDED AT: 3990' KB
Set W/ ? tension

PACKER FLUID: 55 gallons Champion Cortron
2383 mixed w/ 62 bbls 2%
KCL water.



PERFORATION RECORD

9/20/96	Schlumberger	4790'-4793'	6 Holes
		4916'-4920'	5 Holes
		4928'-4931'	5 Holes
9/25/96	Schlumberger	4232'-4243'	4 SPF
		4246'-4252'	4 SPF
		4255'-4259'	4 SPF
9/26/96	Schlumberger	4074'-4084'	4 SPF



Elev.GR - 5017' GL
Elev.KB - 5027' KB (10' KB)

WELLBORE DIAGRAM

Attachment E-2

Balcron Monument State #21-2-9-17
Monument Butte
ML-45555
NE NW Section 2, T9S, R17E
821' FNL, 2187' FWL
Uintah County, Utah

DATE : 11/8/96 DZ

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 247.40'
DEPTH LANDED: 257.40' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: BJ Services: 160 sks class
"G", 2% CaCl₂, 1/4#/sk
Cello-seal.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 5799.28'
DEPTH LANDED: 5809.28' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: BJ Services: 278 sks "Super G"
47#/sk G, 3#/sk POZ, 34#/sk
BA-91, 3% salt, 2% gel, 3#/sk
hi-seal-2, 1/4#/sk cello-seal.
Tail w/ 330 sks 50/50 POZ, 2%
gel, 1/4#/sk cello-seal, 2#/sk
Hi-seal-2.

CEMENT TOP AT: 2820' KB

TUBING

SIZE/GRADE/WT.: 2-7/8" 8rd EUE / J-55 / 6.5#
NO. OF JOINTS: 135 Jts (4190.68')
TUBING ANCHOR: 2-7/8"x5-1/2"x2.35'
NO. OF JOINTS: 24 Jts (735.45')
SEATING NIPPLE: 2-7/8"x1.10'
PERFORATED SUB: 2-7/8"x4.20'
MUD ANCHOR: 2-7/8"x28.50'
STRING LENGTH: 4971.68'
SN LANDED AT: 4937' KB

SUCKER RODS

WELL LAST PULLED: completion

POLISHED ROD: 1-1/4"x22' SM
SUCKER RODS: 1-3/4"x6' Pony
1-3/4"x8' Pony
196-3/4"x25' D-61 Plain

TOTAL STRING LENGTH: 4936'

PUMP NUMBER: Trico # 210
PUMP SIZE: 2-1/2"x1-1/2"x16' RWAC

STROKE LENGTH: 86 inches
PUMP SPEED, SPM: 4.25 spm
PUMPING UNIT SIZE: Lufkin C228D-213-86
SN: 5449M384441
PRIME MOVER: Ajax E-42
SN: 72705

TANK SIZES & NUMBERS: 2-400 bbl, Natco 12"x20'
TANK #1 SN: 9E-05301-05
TANK #2 SN: 9E-05301-12

LOGS: CBL/GR/Collar;
Dual Laterolog;
Spectral Density Dual
Spaced Neutron.

ACID JOB /BREAKDOWN

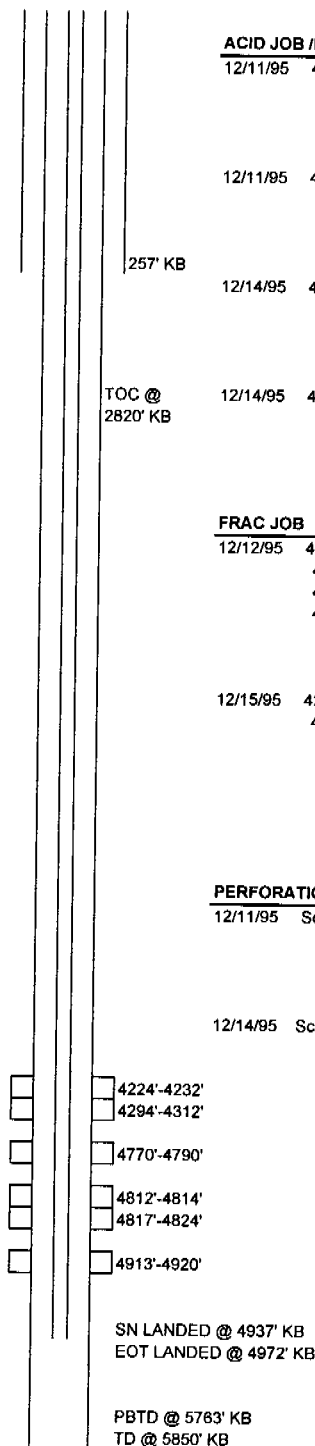
12/11/95	4913'-4920'	BJ Services: 1838 gal 2% KCL water w/ 10 ball sealers. Balled off. ATP= 2550 psi, ATR= 4.3 bpm, ISIP= 1300 psi.
12/11/95	4770'-4790' 4812'-4814' 4817'-4824'	BJ Services: 2016 gal 2% KCL water w/ 28 ball sealers. Balled off. ATP= 1800 psi, ATR= 4.0 bpm, ISIP= 1050 psi.
12/14/95	4294'-4312'	BJ Services: 1890 gal 2% KCL water w/ 16 ball sealers. Ball action but no ball off. ATP= 2700 psi, ATR= 4.0 bpm, ISIP= 1900 psi.
12/14/95	4224'-4232'	BJ Services: 1470 gal 2% KCL water w/ 12 ball sealers. Balled off. ATP= 2500 psi, ATR= 4.1 bpm, ISIP= 1900 psi.

FRAC JOB

12/12/95	4770'-4790' 4812'-4814' 4817'-4824' 4913'-4920'	BJ Services: 45,318 gal 2% KCL water w/ 163,940# 16/30 sand. ATP= 2600 psi, ATR= 41.0 bpm, ISIP= 2090 psi, 5 min= 1650 psi, 10 min= 1600 psi, 15 min= 1580 psi, 30 min= 1420 psi.
12/15/95	4224'-4232' 4294'-4312'	BJ Services: 32,634 gal 2% KCL water w/ 117,000# 16/30 sand. ATP= 2750 psi, ATR=31.4 bpm, ISIP= 2450 psi, 5 min= 1890 psi, 10 min= 1730 psi, 15 min= 1480 psi, 30 min= 1280 psi.

PERFORATION RECORD

12/11/95	Schlumberger	4913'-4920'	5 Holes
		4812'-4814'	2 Holes
		4817'-4824'	2 Holes
		4770'-4790'	10 Holes
12/14/95	Schlumberger	4224'-4232'	6 Holes
		4294'-4312'	8 Holes





Attachment E-3
BALCRON MONUMENT STATE #22-2
SE NW Sec.2 T9S R17E
Lease #ML-45555
Monument Butte Field
Uintah County, Utah

Elev. - 5047' GL
KB - 5057' KB (10')

WELLBORE DIAGRAM

DATE : 1/21/97 DZ

SURFACE CASING

SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 261.25' (6 jts)
DEPTH LANDED: 271.25' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 160 sxs class "G" + 2% CCI +
1/4#/sk celloflake

276.3' KB

ACID JOB / BREAKDOWN JOB

3/21/95 Western 5222'-5227' & 5234'-5242' : 2520 gal
2% KCl wtr w/ 100 balls. balled off,
ATR-4.2BPM, ATP-2500, ISIP-1550.
3/23/95 Western 4881'-84' & 4896'-405' : 2142gal 2% KCl w/100
balls, balled off. ATP-3200, ATR-6.0bpm, ISIP-1200

FRAC JOB

3/21/95 Western 5222'-27' & 5234'-42' : 2500gal 2% KCl pad,
18,942 gal 2% KCl w/ 25,820# 20/40 & 37,000#
16/30 sand, flush w/ 5166 gal 2% KCl wtr. ISIP-3000
ATP-2700, ATR-30.9bpm, 5min-1810, 10min-1470,
15min-1350, 30min-1320.
3/23/95 Western 4881'-84' & 4896'-4905' : 2310 gal 2% KCl pad, 18,732
gal 2% KCl w/ 56,840# 16/30 sand. ATP-2400,
ATR-31.6bpm, ISIP-2450, 5min-1940, 10min-1590,
15min-1520, 30min-1390

PRODUCTION CASING

SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 5779.79' (138 jts)
DEPTH LANDED: 5788.79' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 285 sxs super class "G" + (47#G + 20#Poz A +
17# CSE+1/4 # celloseal+2# HiSeal)/sk +3%salt
+2%gel, tail w/ 315 sk 50-50 POZ + 2%gel +
1/4 #/sk celloseal + 2 #/sk HiSeal 2
CEMENT TOP AT: 1310' KB

TUBING RECORD

KB: 10'
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
153 jnts @ 4802.45'
SEAT NIPPLE : 2-7/8" X 1.10'
CROSS OVER: 2-7/8" X 2-3/8" @ 0.42'
AT NIPPLE LANDED @ 4813.55' KB
EVABLE CSG PACKER 2-3/8" X 6.20'
MODEL : Arrow Set-1
PACKER LANDED @ 4820.17' KB

PERFORATION RECORD

3/20/95 Schlumberger 5222' - 5227' 4 SPF 5 ft 20 holes
5234' - 5242' 4 SPF 8 ft 32 holes
3/23/95 Schlumberger 4881' - 4884' 4 SPF 3 ft 12 holes
4896' - 4905' 4 SPF 9 ft 36 holes

4881' - 4905"

5222' - 5242"

PBTD @ 5745' KB
TD @ 5798' KB



Elev.GR - 5076' GL
Elev.KB - 5086' KB (10' KB)

WELLBORE DIAGRAM

Attachment E-4

Monument State #32-2-9-17CD
Monument Butte
State ML-45555
SW NE Section 2, T9S, R17E
1648' FNL, 2282' FEL
Uintah County, Utah

DATE: 11/8/96 DZ

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 248'
DEPTH LANDED: 258' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 160 sks class "G" w/ 2%
CaCl₂, 1/4#/sk Floccle.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 5687.84'
DEPTH LANDED: 5697.84' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 150 sks super "G" w/ 3%
salt, 3% gel, 2#/sk Kolseal,
1/4#/sk Cello-flake. Tail w/
360 sks of 50/50 POZ w/
2% gel, 2#/sk Kol-seal,
1/4#/sk Cello-flake.

CEMENT TOP AT: 1555' KB

TUBING

SIZE/GRADE/WT.: 2-7/8" 8rd EUE/J-55 / 6.5#
NO. OF JOINTS: 154 Jts (4770.32')
TUBING ANCHOR: 2-7/8"x5-1/2"x2.75'
NO. OF JOINTS: 18 Jts (561.98')
SEATING NIPPLE: 2-7/8"x1.10'
PERFORATED SUB: 2-7/8"x4.20'
MUD ANCHOR: 2-7/8"x30.03'
STRING LENGTH: 5380.78'
SN LANDED AT: 5345.05' KB

SUCKER RODS

WELL LAST PULLED: Completion

POLISHED ROD: 1-1/4"x22' SM
SUCKER RODS: 1-3/4"x6' Pony
1-3/4"x8' Pony
211-3/4"x25' D Plain
1-7/8"x2' Pony w/ 2.5 guide
1-1-1/2"x25' K-bar
1-7/8"x2' Pony w/ 2.5 guide

TOTAL STRING LENGTH: 5340'

PUMP NUMBER: Trico # 1197
PUMP SIZE: 2-1/2"x1-1/2"x16' RHAC
w/sm plunger

STROKE LENGTH: 88 inches
PUMP SPEED, SPM: 4.75 spm
PUMPING UNIT SIZE: Bethlehem 320-2112-86
SN: 30617E-313665
PRIME MOVER: Ajax E-42
SN: 68203

TANK SIZES & NUMBERS: 2- 400 bbl, Natco 12"x20'
TANK #1 SN: 760002089-01
TANK #2 SN: 760002089-02

LOGS: Dual Laterolog w/ Linear
Correlation; Litho Density
Compensated Neutron
GR; CBL/GR.

ACID JOB /BREAKDOWN

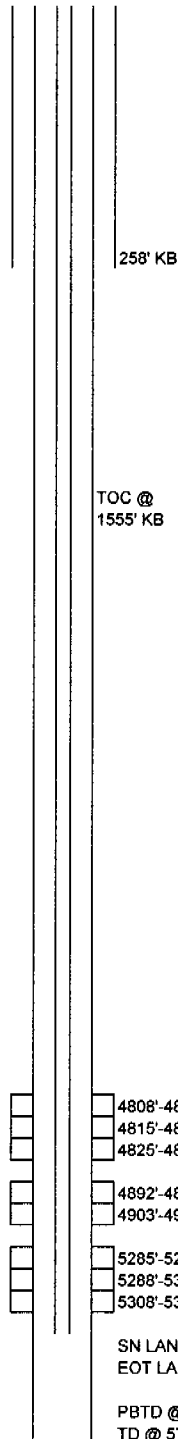
10/2/96	5285'-5286'	BJ Services: 5460 gal 2% KCL
	5288'-5305'	water w/ 164 ball sealers.
	5308'-5311'	Ball action but no ball off.
		ATP= 2000 psi, ATR= 5.2 bpm,
		ISIP= 1400 psi.
10/7/96	4808'-4813'	BJ Services: 3570 gal 2% KCL
	4815'-4819'	water w/ 22 ball sealers. Balled
	4825'-4830'	off. ATP= 1220 psi, ATR= 3.1 bpm,
		ISIP= 1000 psi.
10/7/96	4892'-4896'	BJ Services: 1512 gal 2% KCL
	4903'-4906'	water w/ 10 ball sealers. ATP=
		1875 psi, ATR= 3.2 bpm, ISIP=
		1100 psi.

FRAC JOB

10/3/96	5285'-5286'	BJ Services: 19,572 gal 2% KCL
	5288'-5305'	water w/ 166,800# 20/40 &
	5308'-5311'	42,900# 16/30 sand. ATP=
		1700 psi, ATR= 31.0 bpm, ISIP=
		2200 psi, 5 min= 1770 psi,
		10 min= 1630 psi, 15 min=
		1570 psi, 30 min= 1530 psi.
10/8/96	4808'-4813'	BJ Services: 13,524 gal 2% KCL
	4815'-4819'	water w/ 36,000# 16/30 sand.
	4825'-4830'	ATP= 2700 psi, ATR= 34.9 bpm,
	4892'-4896'	ISIP= ??, 5 min= 1610 psi,
	4903'-4906'	10 min= 1560 psi, 15 min= 1510 psi.

PERFORATION RECORD

10/2/96	Cutter	5285'-5286'	4 SPF
		5288'-5305'	4 SPF
		5308'-5311'	4 SPF
10/6/96	Cutter	4808'-4813'	4 Holes
		4815'-4819'	3 Holes
		4825'-4830'	4 Holes
		4892'-4896'	3 Holes
		4903'-4906'	2 Holes



SN LANDED @ 5345' KB
EOT LANDED @ 5381' KB

PBTD @ 5644' KB
TD @ 5717' KB



Elev. - 5023' GL

Attachment E-5
COUNTY LINE FEDERAL #2-35
WSE Sec.35-T8S-R17E
Lease #U-40026
Monument Butte Field (Wildcat)
Uintah County, Utah
1980' FSL, 1982' FEL

WELLBORE DIAGRAM

DATE : 12/22/97 dek

SURFACE CASING

SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH:
DEPTH LANDED: 320' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 220 sxs Class "G"

PRODUCTION CASING

SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.6#
LENGTH: 5834.84' (140 jts)
DEPTH LANDED: 6100'
HOLE SIZE: 7-7/8"
CEMENT DATA: 175 sxs Dowell Hi-Lift
640 sxs RFC

CEMENT TOP AT:

TUBING RECORD

SIZE/GRADE/WT.: 2-3/8"
NO. OF JOINTS:
TUBING ANCHOR:
NO. OF JOINTS:
SEATING NIPPLE:
PERF. SUB:
MUD ANCHOR:
STRING LENGTH:
SN at:
END OF TUBING AT: 5095'

SUCKER ROD RECORD

POLISHED ROD:
SUCKER RODS:

TOTAL STRING LENGTH:

PUMP SIZE: THD 2"x1-1/2"x16'

ACID JOB / BREAKDOWN JOB

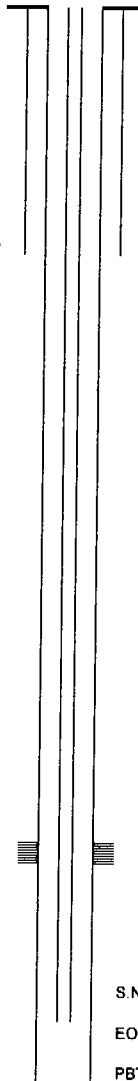
3/25/84 5034'-5048' Broke down perms w/50 bbls 5% KCL water.

FRAC JOB

3/25/84 5034'-5048' 65,000# 20/40 sand, 1385 bbls Inverta-Diverta frac fluid.

PERFORATION RECORD

3/25/84 5034'-5048' 4 SPF



S.N. @ ' KB

EOT - ' KB

PBTD @ 5955' KB
TD @ 6100' KB

Castle Draw #1-2

Spud Date: 11/25/97
 Put on Production: ?/?/97
 GL: 4989' KB: 5002'

Initial Production: ? BOPD,
 ? MCFPD, ? BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 288' (7 jts.)
 DEPTH LANDED: 298'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 140 sxs Premium cmt, est 2.5 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 5872' (138 jts.)
 DEPTH LANDED: 5881'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 350 sk Hibond mixed & 310 sxs Thixo w/ 10% CalSeal
 CEMENT TOP AT: ?

TUBING

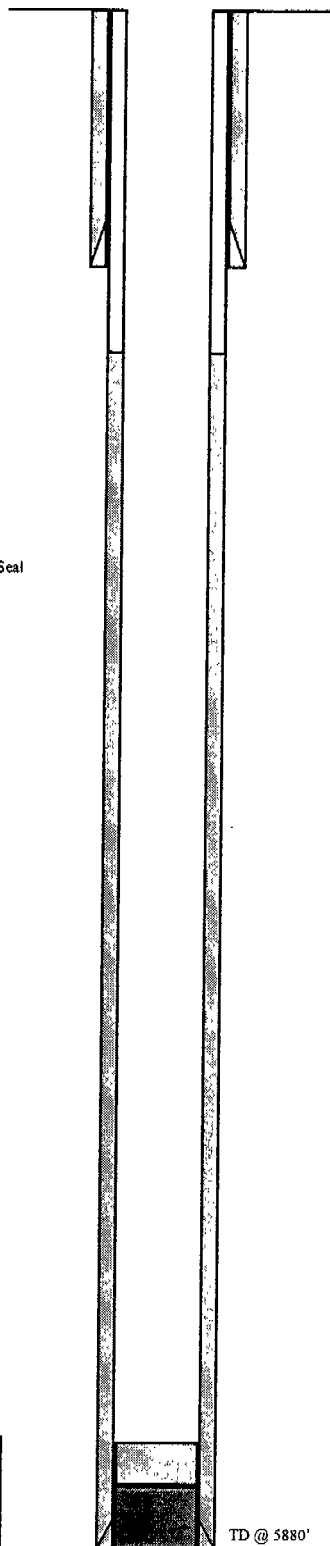
SIZE/GRADE/WT: ?
 NO. OF JOINTS: ?
 TUBING ANCHOR: ?
 SEATING NIPPLE: ?
 TOTAL STRING LENGTH: ?
 SN LANDED AT: ?

SUCKER RODS

POLISHED ROD: ?
 SUCKER RODS: ?
 TOTAL ROD STRING LENGTH: ?
 PUMP NUMBER: ?
 PUMP SIZE: ?
 STROKE LENGTH: ?
 PUMP SPEED, SPM: ?
 LOGS: DIGL/SP/GR/CAL, SDL/DSN/GR

FRAC JOB

12/3/97 WOCT

PERFORATION RECORD

Inland Resources Inc.

Castle Draw #1-2

662 FNL 660 FEL

NENE Section 2-T9S-R17E

Uintah Co, Utah

API #43-013-32843; Lease #ML-45555

TD @ 5880'

Castle Draw #8-2

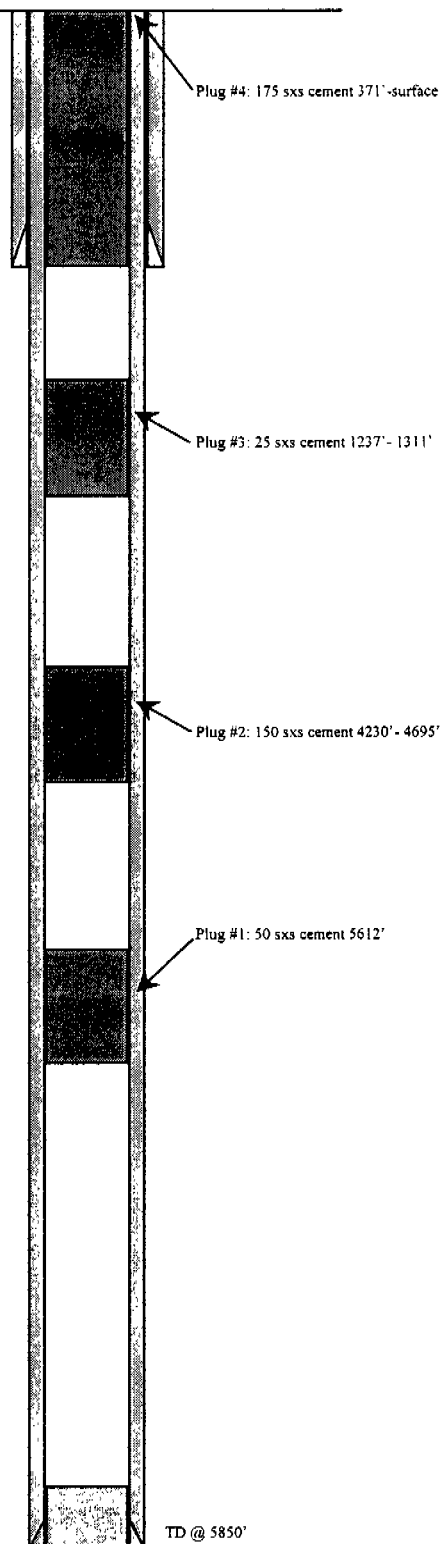
Spud Date: 12/3/97
Plugged: 12/10/97
GL: 5017' KB: 5030'

Initial Production: NONE

Plugging Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 287' (7 jts)
DEPTH LANDED: 297'
HOLE SIZE: 12-1/4"
CEMENT DATA: 140 sxs Premium cmt, est 4.5 bbls to surf.

PRODUCTION CASINGTUBINGSUCKER RODS

Inland Resources Inc.

Castle Draw #8-2

1985 FNL 660 FEL

SENE Section 2-T9S-R17E

Uintah Co, Utah

API #43-047-32842; Lease #ML-45555

UNICHEM

A Division of BJ Services

P.O. Box 217
Roosevelt, Utah 84066

Office (801) 722-5066
Fax (801) 722-5727

RECEIVED JUN - 4 1997

Attachment F

WATER ANALYSIS REPORT

Company INLAND Address _____ Date 05-08-97

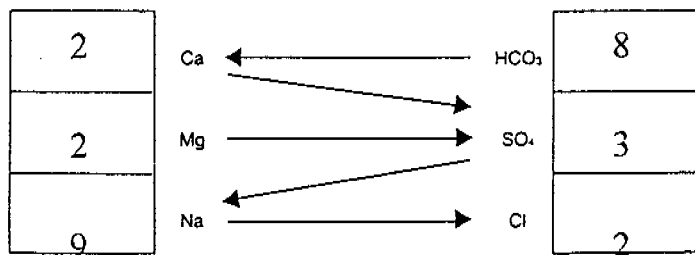
Source JOHNSON WATER Date Sampled 05-08-97 Analysis No. _____

	Analysis	mg/l(ppm)	*Meg/l
1. PH	<u>8.5</u>		
2. H ₂ S (Qualitative)	<u>0.5</u>		
3. Specific Gravity	<u>1.001</u>		
4. Dissolved Solids		<u>974</u>	
5. Alkalinity (CaCO ₃)	CO ₃	<u>0</u>	÷ 30 <u>0</u> CO ₃
6. Bicarbonate (HCO ₃)	HCO ₃	<u>490</u>	÷ 61 <u>8</u> HCO ₃
7. Hydroxyl (OH)	OH	<u>0</u>	÷ 17 <u>0</u> OH
8. Chlorides (Cl)	Cl	<u>71</u>	÷ 35.5 <u>2</u> Cl
9. Sulfates (SO ₄)	SO ₄	<u>130</u>	÷ 48 <u>3</u> SO ₄
10. Calcium (Ca)	Ca	<u>48</u>	÷ 20 <u>2</u> Ca
11. Magnesium (Mg)	Mg	<u>24</u>	÷ 12.2 <u>2</u> Mg
12. Total Hardness (CaCO ₃)		<u>220</u>	
13. Total Iron (Fe)		<u>37</u>	
14. Manganese			
15. Phosphate Residuals			

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION

Compound	Equiv. Wt.	X	Meg/l	=	Mg/l
Ca(HCO ₃) ₂	81.04	<u>2</u>			<u>162</u>
CaSO ₄	68.07				
CaCl ₂	55.50				
Mg(HCO ₃) ₂	73.17	<u>2</u>			<u>146</u>
MgSO ₄	60.19				
MgCl ₂	47.62				
NaHCO ₃	84.00	<u>4</u>			<u>336</u>
Na ₂ SO ₄	71.03	<u>3</u>			<u>213</u>
NaCl	58.46	<u>2</u>			<u>117</u>



Saturation Values

Distilled Water 20°C

CaCO₃

13 Mg/l

CaSO₄ · 2H₂O

2,090 Mg/l

MgCO₃

103 Mg/l

REMARKS _____

UNICHEM

A Division of BJ Services

P.O. Box 217
Roosevelt, Utah 84066

Office (801) 722-5066
Fax (801) 722-5727

WATER ANALYSIS REPORT

Company INLAND Address _____ Date 12-23-97

Source CASTLE DRAW STATE 31 - ~~2~~ Date Sampled _____ Analysis No. _____

	Analysis	mg/l(ppm)	*Meg/l
1. PH	<u>9.1</u>		
2. H ₂ S (Qualitative)	<u>0</u>		
3. Specific Gravity	<u>1.005</u>		
4. Dissolved Solids		<u>7,603</u>	
5. Alkalinity (CaCO ₃)	CO ₃	<u>180</u>	÷ 30 <u>6</u> CO ₃
6. Bicarbonate (HCO ₃)	HCO ₃	<u>60</u>	÷ 61 <u>1</u> HCO ₃
7. Hydroxyl (OH)	OH	<u>0</u>	÷ 17 <u>0</u> OH
8. Chlorides (Cl)	Cl	<u>4,300</u>	÷ 35.5 <u>120</u> Cl
9. Sulfates (SO ₄)	SO ₄	<u>0</u>	÷ 48 <u>0</u> SO ₄
10. Calcium (Ca)	Ca	<u>6</u>	÷ 20 <u>0</u> Ca
11. Magnesium (Mg)	Mg	<u>0</u>	÷ 12.2 <u>0</u> Mg
12. Total Hardness (CaCO ₃)		<u>20</u>	
13. Total Iron (Fe)		<u>1.2</u>	
14. Manganese			
15. Phosphate Residuals			

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION

	Compound	Equlv. Wt.	X	Meg/l	=	Mg/l
0	Ca(HCO ₃) ₂	81.04				
0	CaSO ₄	68.07				
127	CaCl ₂	55.50				
	Mg(HCO ₃) ₂	73.17				
	MgSO ₄	60.19				
	MgCl ₂	47.62				
	NaHCO ₃	84.00	<u>7</u>			<u>588</u>
	Na ₂ SO ₄	71.03				
	NaCl	58.46	<u>120</u>			<u>7,015</u>

Saturation Values

Distilled Water 20°C

CaCO₃

13 Mg/l

CaSO₄ · 2H₂O

2,090 Mg/l

MgCO₃

103 Mg/l

REMARKS _____

AQUAMIX SCALING PREDICTIONS

COMPANY: INLAND
LOCATION:
SYSTEM:

12-23-97

WATER DESCRIPTION: CDS 31-2

	INPUT ANALYSIS	VALUES USED IN CALCULATIONS
P-ALK AS PPM CaCO ₃	180	180
M-ALK AS PPM CaCO ₃	60	60
SULFATE AS PPM SO ₄	0	
CHLORIDE AS PPM Cl	4300	4300
HARDNESS AS PPM CaCO ₃	20	20
CALCIUM AS PPM CaCO ₃	6	6
MAGNESIUM AS PPM CaCO ₃	0	
SODIUM AS PPM Na	2921	2921
BARIUM AS PPM Ba	0	
STRONTIUM AS PPM Sr	0	
CONDUCTIVITY	0	0
TOTAL DISSOLVED SOLIDS	7603	7259
TEMP (DEG-F)	100	
SYSTEM pH	9.1	
pH		9.1

RESULTS:

IONIC STRENGTH-MOLAL	.125
SPECIFIC GRAVITY (EST. VALUE)	1
TOTAL DISSOLVED SOLIDS-PPM (EST. VALUE)	7259

SCALING PREDICTIONS OVER A RANGE OF TEMPERATURES:

DEG-F	STIFF DAVIS CaCO ₃ INDEX	lbs/1000 BBL EXCESS CaCO ₃	mg/l BaSO ₄ IN EXCESS OF SATURATION	mg/l SrO ₄ IN EXCESS OF SATURATION	mg/l Gypsum IN EXCESS OF SATURATION
80	-.86	0	0	0	0
100	-.63	0	0	0	0
120	-.38	0	0	0	0
140	-.10	0	0	0	0
160	.12	0	0	0	0
180	.44	1	0	0	0
200	.81	1	0	0	0

AQUAMIX SCALING PREDICTIONS

COMPANY: INLAND
 LOCATION:
 SYSTEM:

12-23-97

WATER DESCRIPTION:	MONUMENT BUTTE WA	CDS 31-2
P-ALK AS PPM CaCO3	0	180
M-ALK AS PPM CaCO3	1100	60
SULFATE AS PPM SO4	60	0
CHLORIDE AS PPM Cl	7100	4300
HARDNESS AS PPM CaCO3	70	20
CALCIUM AS PPM CaCO3	8	6
MAGNESIUM AS PPM CaCO3	12	0
SODIUM AS PPM Na	5014	2921
BARIUM AS PPM Ba	0	0
STRONTIUM AS PPM Sr	0	0
CONDUCTIVITY	0	0
TOTAL DISSOLVED SOLIDS	13264	7603
TEMP (DEG-F)	100	100
SYSTEM pH	8.6	9.1

WATER COMPATIBILITY CALCULATIONS
 MONUMENT BUTTE WA AND CDS 31-2
 CONDITIONS: TEMP.=100 AND pH=8.9
 WATER ONE IS MONUMENT BUTTE WA

% OF WATER # 1	STIFF DAVIS CaCO3 INDEX	lbs/1000 BBL EXCESS CaCO3	mg/l BaSO4 IN EXCESS OF SATURATION	mg/l SrO4 IN EXCESS OF SATURATION	mg/l Gypsum IN EXCESS OF SATURATION
100	.25	1	0	0	0
90	.21	1	0	0	0
80	.16	0	0	0	0
70	.13	0	0	0	0
60	.08	0	0	0	0
50	.03	0	0	0	0
40	-.04	0	0	0	0
30	-.13	0	0	0	0
20	-.26	0	0	0	0
10	-.46	0	0	0	0
0	-.88	0	0	0	0

AQUAMIX SCALING PREDICTIONS

COMPANY: INLAND
 LOCATION:
 SYSTEM:

12-23-97

WATER DESCRIPTION: MONUMENT BUTTE WATER

	INPUT ANALYSIS	VALUES USED IN CALCULATIONS
P-ALK AS PPM CaCO ₃	0	0
M-ALK AS PPM CaCO ₃	1100	1100
SULFATE AS PPM SO ₄	60	60
CHLORIDE AS PPM Cl	7100	7100
HARDNESS AS PPM CaCO ₃	70	70
CALCIUM AS PPM CaCO ₃	8	8
MAGNESIUM AS PPM CaCO ₃	12	12
SODIUM AS PPM Na	5014	5014
BARIUM AS PPM Ba	0	
STRONTIUM AS PPM Sr	0	
CONDUCTIVITY	0	0
TOTAL DISSOLVED SOLIDS	13264	12840
TEMP (DEG-F)	100	
SYSTEM pH	8.6	
pH		8.6

RESULTS:

IONIC STRENGTH-MOLAL	.216
SPECIFIC GRAVITY (EST. VALUE)	1.01
TOTAL DISSOLVED SOLIDS-PPM (EST. VALUE)	12840

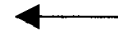
SCALING PREDICTIONS OVER A RANGE OF TEMPERATURES:

DEG-F	STIFF DAVIS CaCO ₃ INDEX	lbs/1000 BBL EXCESS CaCO ₃	mg/l BaSO ₄ IN EXCESS OF SATURATION	mg/l SrO ₄ IN EXCESS OF SATURATION	mg/l Gypsum IN EXCESS OF SATURATION
80	-.24	0	0	0	0
100	0	0	0	0	0
120	.27	1	0	0	0
140	.60	2	0	0	0
160	.85	2	0	0	0
180	1.22	2	0	0	0
200	1.61	2	0	0	0

Attachment G

Monument State #31-2-9-17CD
Proposed Maximum Injection Pressure

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Frac Gradient (psi/ft)	Pmax
Top	Bottom				
5254	5258	5256	1900	0.77	1759
4783	4925	4854	1780	0.81	1774
				Minimum	1759



Calculation of Maximum Surface Injection Pressure

$$P_{max} = (\text{Frac Grad} - (0.433 \times 1.005)) \times \text{Depth of Top Perf}$$

where pressure gradient for the fresh water is .433 psi/ft and
specific gravity of the injected water is 1.005.

Frac Gradient is obtained from the service company's frac summary report.



EQUITABLE RESOURCES ENERGY COMPANY

BALCRON OIL DIVISION

1601 Lewis Avenue
P.O. Box 21017
Billings, MT 59104-1017
(406) 259-7860

Attachment G-1 TREATMENT REPORT

DATE OF TREATMENT: 2-22-96

Well Name MONUMENT STATE 31-2 Sec. 2 TWP. 9 S RNG. 17 E
 Field CASTLE DRAW County WINTAH State UT.
 Formation: GREEN RIVER (G-4 ZONE)
 Perforations: 5254-58

Treatment Type: SAND FRAC Total Number of Holes: 16Treatment Company: BJ SERVICES SAND CHARACTERISTICS

WELL ID	VOLUME		FLUID	CONC.			SIZE	SAND VOLUME	
	SLURRY BBL	CLEAN GAL		# / GAL	BPM	PSI		CALC.	ACTUAL
48	48	2000	2% KCL WATER (PAD)	0	19.8	4100	+	#	#
63	64	600	"	2	20.1	4200	20/40	1200 #	#
78	81	600	"	4	20.0	4000	20/40	2400 #	#
07	116	1200	"	5	20.0	3900	20/40	6000 #	#
40	159	1450	"	6	17.8	4200	16/30	8700 #	#
57	180	400	"	7	17.1	3400	16/30	5600 #	#
18	61	2562	" (FLUSH)	0	---	5000	+	#	#
							1	#	#
							1	#	#
							1	#	#

TOTAL FLUID PUMPED: _____ gal. _____ % Acid
9156 gal. 2% KCL WATER Fluid

TOTAL SAND VOLUME: 11520 lbs. 20/40 sand
12300 lbs. 16/30 sand
 _____ lbs. 1 sand

Flushed well with 2562 gal. of 2% KCL WATER

_____ ball sealers were pumped. Was ball action seen? _____

Barrels of Load to Recover 218 BLTRAvg. Treating Pressure = 4000 psi, max = 5000 psi, min. = 3400 psi.Avg. Treating Rate = 19.5 bpm, max = 20.1 bpm, min. = 17.1 bpm.ISIP = 4000 psi, 5 min. = _____ psi, 10 min. = _____ psi, 15 min. = _____ psi.Well will be shut in for 0 hours before bringing back fluid.REMARKS: 0 BBL. TO LOAD HOLESCREEN OUT W/ 9600 LBS. OF SAND ON FORMATIONFRAC GRADIENT.Wellsite Supervisor: Dale Smith



EQUITABLE RESOURCES ENERGY COMPANY

BALCRON OIL DIVISION

 1601 Lewis Avenue
 P.O. Box 21017
 Billings, MT 59104-1017
 (406) 259-7860

Attachment G-2 TREATMENT REPORT

DATE OF TREATMENT: 2-27-96

Well Name MONUMENT STATE 31-2 Sec. 2 TWN. 9 S RNG. 17 E
 Field CASTLE DRAW County WINTAH State UT.
 Formation: GREEN RIVER (R-2 + R-5 ZONES)
 Perforations: 4783-87, 4788-93, 4795-4801, 4802-04, 4906-25

Treatment Type: SAND FRAC Total Number of Holes: 19
 Treatment Company: BJ SERVICES SAND CHARACTERISTICS

	VOLUME		FLUID	CONC.			SIZE	SAND VOLUME	
	SLURRY BBLs	CLEAN GAL		# / GAL	BPM	PSI		CALC.	ACTUAL
201	202	202	2% KCL WATER (PAD)	0	37.5	4130	+	— #	— #
252	257	55	2100	2	37.2	3820	16/30	4200 #	#
346	365	108	4000	3	37.2	3380	16/30	12000 #	#
435 478	481 520	155	5500	4	37.5	3100	16/30	22000 #	#
646	726	204	7000	5	37.5	2540	16/30	35000 #	#
575	997	270	8900	6	37.0	2340	16/30	53400 #	#
993	1173	157	5000	7	36.8	2360	16/30	35000 #	#
1104	1285	113	4746 (FLUSH)	0	37.8	2740	+	— #	— #
							1	#	#
							1	#	#

TOTAL FLUID PUMPED: _____ gal. _____ % Acid
46,368 gal. 2% KCL WATER Fluid
 TOTAL SAND VOLUME: 162,940 lbs. 161.30 sand
 _____ lbs. _____ sand
 _____ lbs. _____ sand

Flushed well with 4746 gal. of 2% KCL WATER
 _____ ball sealers were pumped. Was ball action seen? _____

Barrels of Load to Recover 1104 BLTR

Avg. Treating Pressure = 2500 psl, max = 4120 psl, min. = 2340 psl.

Avg. Treating Rate = 37.3 bpm, max = 37.8 bpm, min. = 36.8 bpm.

ISIP = 1780 psl, 5 min. = 1320 psl, 10 min. = 1210 psl, 15 min. = 1130 psl.

Well will be shut in for 0 hours before bringing back fluid. 30 MIN. = 1060 psl.

REMARKS: 5 BBL. TO LOAD HOLE

RUN IN-192/50 TOPE W/ ALL SAND IN FRAC.

START FORCED CLOSURE FLOW BACK Wellsite Supervisor: Dale Griffin

100% FRAC GRADIENT: .806



Elev.GR - 5,002'
Elev.KB -

PROPOSED P&A

Attachment H-1
Monument State #31-2-9-17CD
NW NE Sec. 2, T9S, R17E
500' FNL & 1980' FEL
Lease No.
Castle Draw Field
Unitah County, UT

DATE : 12/19/97 dek

SURFACE CASING

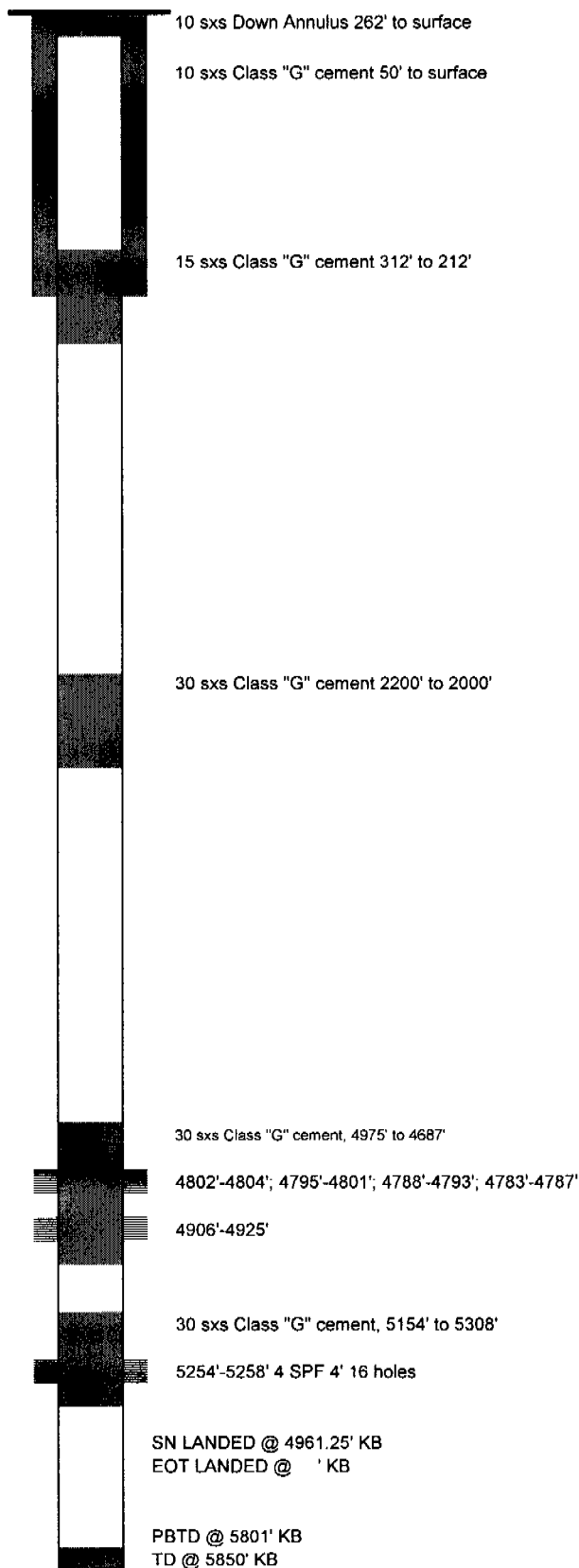
CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 251.9'
DEPTH LANDED: 261.9'
HOLE SIZE: 12-1/4"
CEMENT DATA: 160 sxs G & 2% CaCl₂ +
1/4# per sx cello flakes

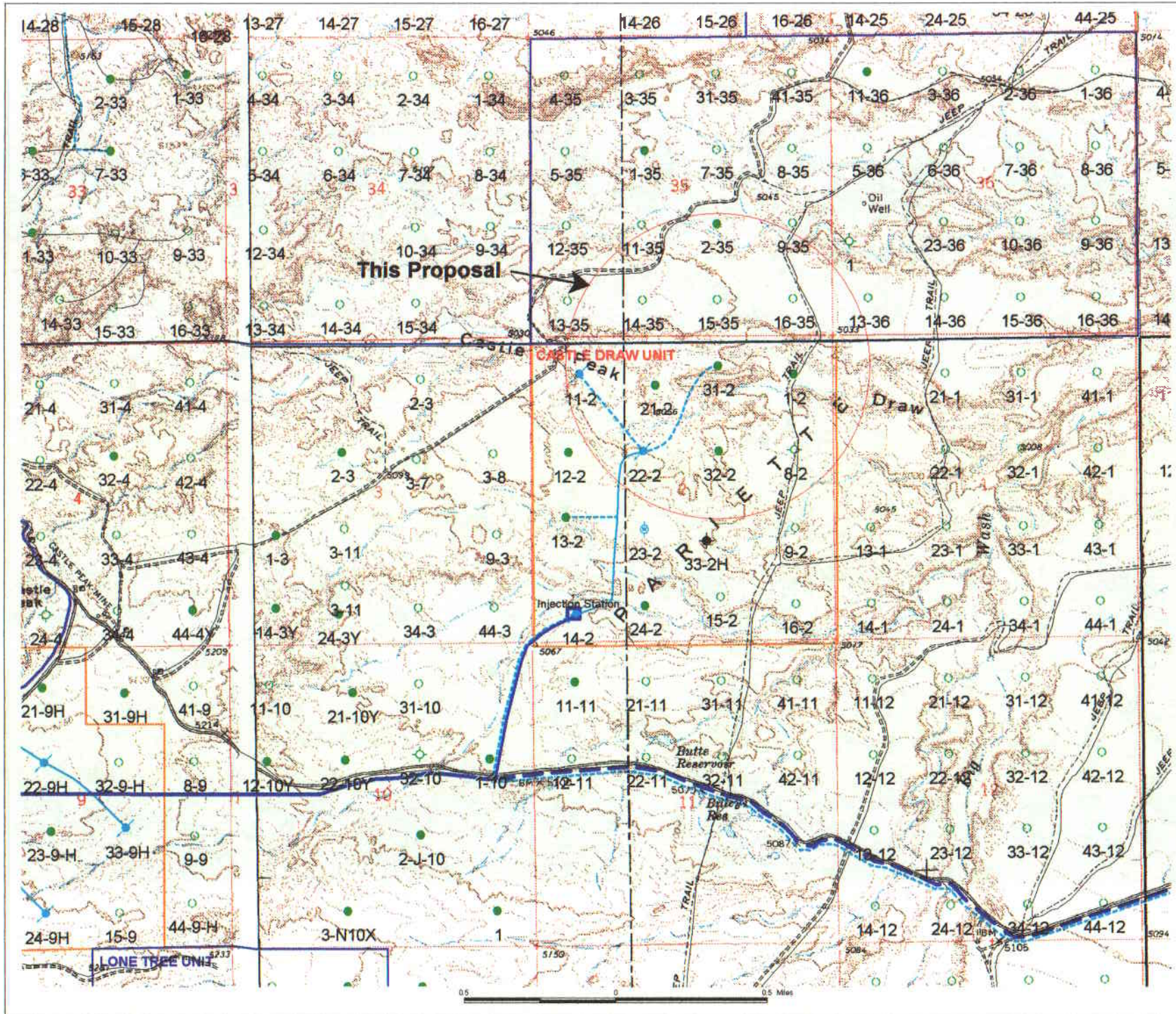
PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: K-55
WEIGHT: 15.5#
LENGTH: 5837.72'
DEPTH LANDED: 5847.72' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 240 sxs super G, 47#/sx class G
+ 3#/sx poz + 34#/sx BA-91 + 3%
salt + 2% gel + 2#/sx cello seal
Tail w/430 sxs 50/50 poz + 2% gel
+ .25#/sx hi seal #2.
CEMENT TOP AT: 1300' KB

TUBING

SUCKER RODS





Attachm

Legend

-  INJ
 OIL
 GAS
 O&G
 DRY
 SHUTIN
 LOC
 Proposed Water 6"
 Water 6"
 Water 4"
 Water 2 - 3"
 Proposed Water



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LINTA BASIN

50

**CULTURAL RESOURCE EVALUATION
OF FOUR PROPOSED WELL LOCATIONS & ACCESS ROUTES
IN THE CASTLE PEAK DRAW LOCALITY
UINTAH & DUCHESNE COUNTIES, UTAH**

Report Prepared for Balcron Oil Division
(Monument State Units 31-2-9-17, 13-16-9-17, 22-16-9-17, 23-16-9-17)
42-047-32563
Dept. of Interior Permit No.: UT-95-54937
AERC Project 1512 (BLCR-95-8A)

Utah State Project No.: UT-95-AF-664b,s

Principal Investigator
F. Richard Hauck, Ph.D.

Author of the Report
F. Richard Hauck



**ARCHEOLOGICAL-ENVIRONMENTAL RESEARCH
CORPORATION (AERC)**

181 North 200 West, Suite 5
Bountiful, Utah 84010

January 19, 1996

ABSTRACT

An intensive cultural resource evaluation has been conducted for Balcron Oil Division of four proposed well locations (Monument State Units 31-2-9-17, 13-16-9-17, 22-16-9-17 and 23-16-9-17) and their 1.6 miles of associated access routes situated on Utah State lands and public lands (BLM: Vernal District). This project area is located in the Castle Peak Draw locality of Uintah & Duchesne Counties, Utah. This evaluation involved a total of 59.4 acres. These evaluations were conducted by Richard Beaty and Michael Hauck of AERC between November 28 and December 8, 1995.

No previously recorded significant or National Register eligible cultural resources will be adversely affected by the proposed developments.

No newly identified prehistoric cultural resource activity loci were discovered and recorded during the examinations.

No isolated diagnostic artifacts were noted during the investigations.

No paleontological loci were identified during the surface examinations.

AERC recommends project clearance based on adherence to the stipulations noted in the final section of this report.

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GENERAL INFORMATION

On November 28 through December 8, 1995, AERC archaeologists Richard Beaty and Michael Hauck conducted an intensive cultural resource evaluation for Balcron Oil Division of Billings Montana. This examination involved four proposed well locations and associated access routes in the Castle Peak Draw locality southeast of Myton, Utah (see Maps 1 through 3). These four well locations include Monument State Units 31-2-9-17, 13-16-9-17, 22-16-9-17 and 23-16-9-17. About 1.6 miles of access routes (see Maps 2 and 3) were also examined for cultural resource presence. All four locations and 1.4 miles of access route (57 acres) are situated on Utah State lands. Portions of two access routes totaling .2 mile (2.4 acres), as shown on Map 3, are on public lands administrated by the Vernal District of the Bureau of Land Management. A total of 59.4 acres was examined; 57 acres on Utah State lands and 2.4 acres are on public lands.

The purpose of the field study and this report is to identify and document cultural site presence and assess National Register potential significance relative to established criteria (cf., Title 36 CFR 60.6). The proposed development of these well locations and access routes requires an archaeological evaluation in compliance with various state laws and U.C.A. 9-8-404, the Federal Antiquities Act of 1906, the Reservoir Salvage Act of 1960-as amended by P.L. 93-291, Section 106 of the National Historic Preservation Act of 1966-as amended, the National Environmental Policy Act of 1969, the Federal Land Policy and Management Act of 1979, the Archaeological Resources Protection Act of 1979, the Native American Religious Freedom Act of 1978, the Historic Preservation Act of 1980, and Executive Order 11593.

In addition to documenting cultural identity and significance, mitigation recommendations relative to the preservation of cultural data and materials can be directed to the Utah division of State Lands and Forestry and to the State Antiquities Section, Division of State History.

Project Location

The project location is in the Castle Peak Draw locality of Duchesne and Uintah Counties, Utah. One location (Monument State Unit 31-2-9-17) is in Uintah County and is shown on the Pariette Draw SW topographic quad (see Map 2). The other three locations are in Duchesne County and are situated on the Myton SE 7.5 minute topographic quad (see Map 3).

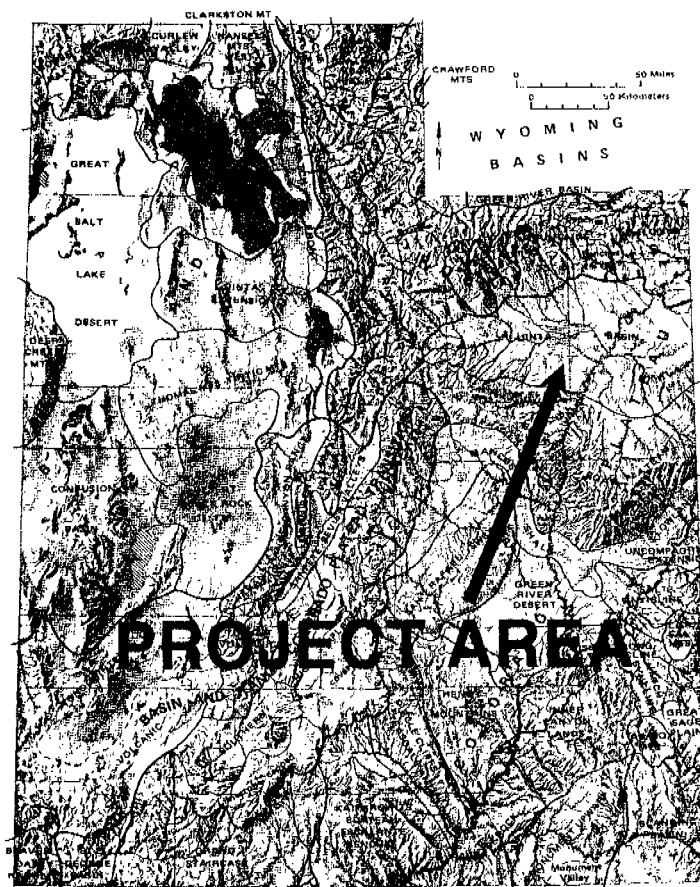
Monument State Unit 31-2-9-17 is situated in the Northwest quarter of the Northeast quarter of Section 2, Township 9 South, Range 17 East (see Map 2). Access to this location begins in the SE quarter of the NW quarter of that section and proceeds in a northerly and easterly course to the staked well pad.

Monument State Unit 13-16-9-17B is situated in the Northwest quarter of the Southwest quarter of Section 16, Township 9 South, Range 17 East (see Map 3). Access to this location

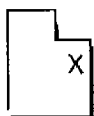
MAP 1: GENERAL PROJECT LOCALITY
IN
UINTAH AND DUCHESNE COUNTIES
UTAH



PROJECT: BLCR - 95 - 8A
SCALE: see below
QUAD: see below
DATE: January 18, 1996



UTAH GEOLOGICAL AND MINERAL SURVEY
MAP 43 1977
PHYSIOGRAPHIC SUBDIVISIONS OF UTAH
BY W.L. STOKES



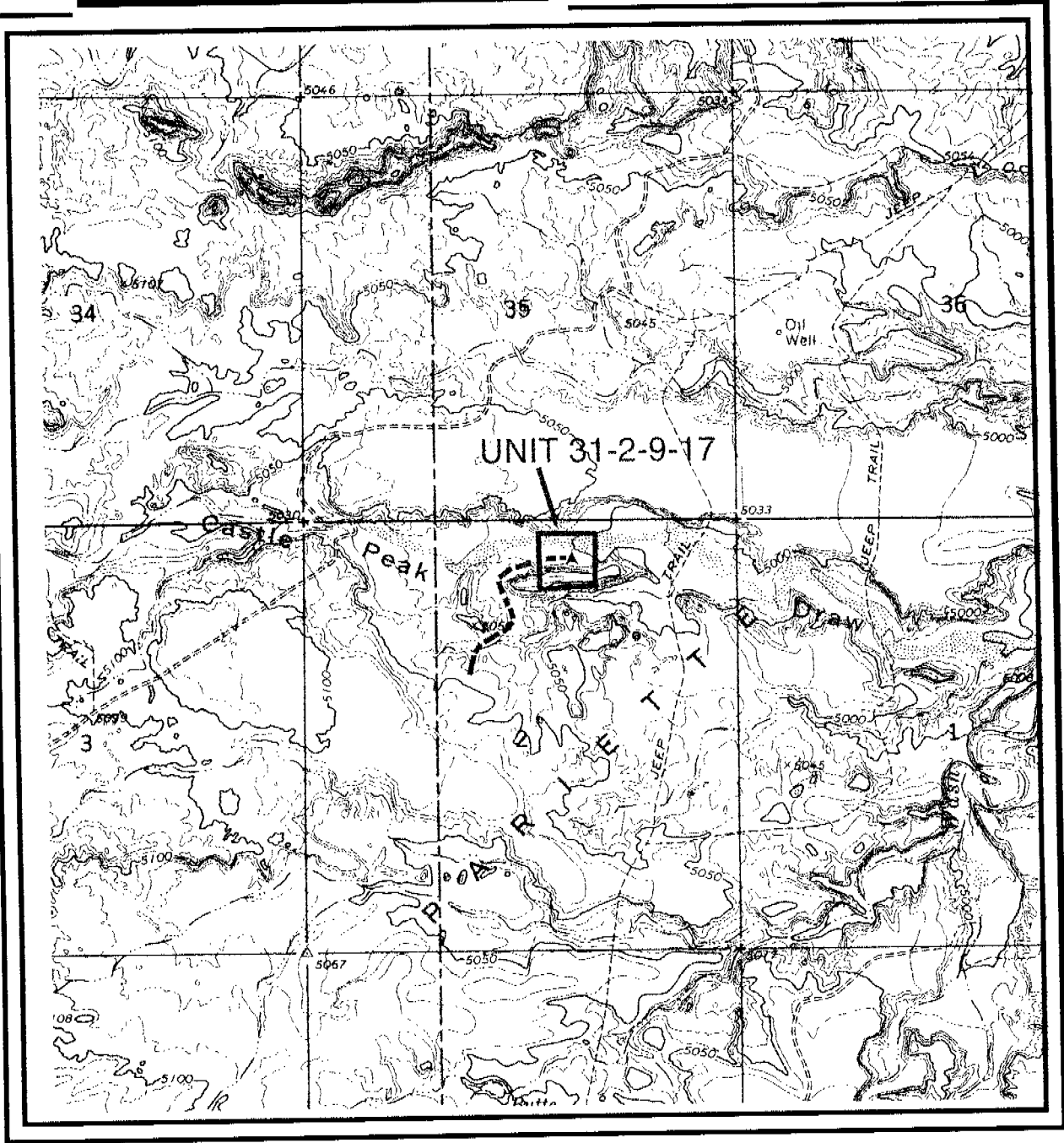
UTAH

TOWNSHIP: MULTIPLE
RANGE: MULTIPLE
MERIDIAN: SALT LAKE & UINIAH B. & M.

**MAP 2: CULTURAL RESOURCE SURVEY
OF BALCRON LOCATIONS IN THE
CASTLE PEAK DRAW LOCALITY
OF DUCHESNE & Uintah COUNTIES
UTAH**



PROJECT: BLCH - 95 - 8A
SCALE: 1:24,000
QUAD: Pariette Draw SW, Utah
DATE: January 18, 1996



TOWNSHIP: 8 & 9 South
RANGE: 17 East
MERIDIAN: Salt Lake B. & M.

LEGEND

Well Location

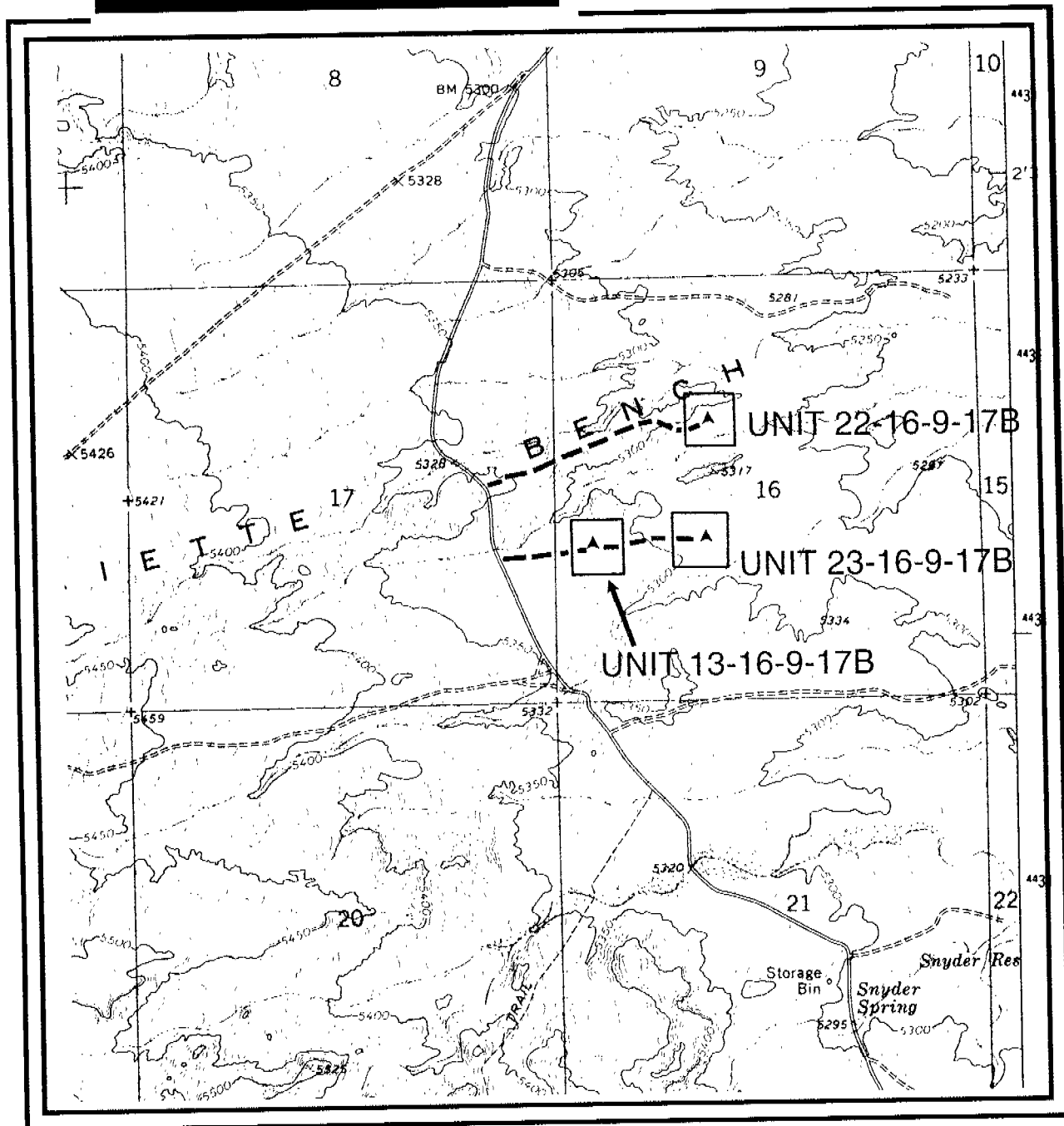
Access Route

Ten Acre
Survey
Area

**MAP 3: CULTURAL RESOURCE SURVEY
OF BALCRON LOCATIONS IN THE
CASTLE PEAK DRAW LOCALITY
OF DUCHESNE & Uintah COUNTIES
UTAH**



PROJECT: BLCH - 95 - 8A
SCALE: 1:24,000
QUAD: Myton SE, Utah
DATE: January 18, 1996



LEGEND

TOWNSHIP: 9 South
RANGE: 17 East
MERIDIAN: Salt Lake B. & M.

Well Location



Access Route



Ten Acre
Survey
Area



begins on public lands in the Northeast quarter of the Southeast quarter of adjacent Section 17 and proceeds east to the staked well pad.

Monument State Unit 22-16-9-17B is situated in the Southeast quarter of the Northwest quarter of Section 16, Township 9 South, Range 17 East (see Map 3). Access to this location begins on public lands in the Southeast quarter of the Northeast quarter of adjacent Section 17 and proceeds in a northeasterly direction to the staked well pad.

Monument State Unit 23-16-9-17B is situated in the Northeast quarter of the Southwest quarter of Section 16, Township 9 South, Range 17 East (see Map 3). Access to this location begins on public lands in the Northeast quarter of the Southeast quarter of adjacent Section 17 and proceeds east through Monument State Unit 13-16-9-17B to the staked well pad.

Environmental Description

The project area is within the 5000 to 5350 foot elevation zone above sea level. Open rangeland terrain and eroded Eocene lakebed surfaces are associated with the project localities.

The vegetation in the project area includes *Chrysothamnus spp.*, *Artemisia spp.*, *Sarcobatus vermiculatus*, *Ephedra viridis*, *Cercocarpus spp.*, *Atriplex canescens*, and a variety of grasses.

The geological associations within the project area consist of fluvial lake deposits which correlate with the Uinta Formation which is of Tertiary age.

PREVIOUS RESEARCH IN THE LOCALITY

File Search

A records search of the site files and maps at the Antiquities Section of the State Historic Preservation Office in Salt Lake City was conducted on November 15, 1995. A similar search was conducted in the Vernal District Office of the BLM on November 28, 1995. The National Register of Historic Places has been consulted and no registered historic or prehistoric properties will be affected by the proposed developments.

A variety of known cultural sites are situated in the Monument Buttes / Castle Peak Draw locality. Many of these prehistoric resources were identified and recorded by AERC during the Mapco River Bend survey (Hauck and Norman 1980). Other sites have been located and recorded by AERC and other archaeologists and consultants during oil and gas exploration inventories (cf. Fike and Phillips 1984, Hauck and Weder 1989, Hauck and Hadden 1993, 1994).

Prehistory and History of the Cultural Region

Currently available information indicates that the Northern Colorado Plateau Cultural Region has been occupied by a variety of cultures beginning perhaps as early as 10,000 B.C. These cultures, as identified by their material remains, demonstrate a cultural developmental process that begins with the earliest identified Paleoindian peoples (10,000 -- 7,000 B.C.) and extends through the Archaic (ca. 7,000 B.C. -- A.D. 300), and Formative (ca. A.D. 400 -- 1100) Stages, and the Late Prehistoric-Protohistoric periods (ca. A.D. 1200 -- 1850) to conclude in the Historic-Modern period which was initiated with the incursion of the Euro-American trappers, explorers, and settlers. Basically, each cultural stage -- with the possible exception of the Late Prehistoric hunting and gathering Shoshonean bands -- features a more complex life-way and social order than occurred during the earlier stage of development (Hauck 1991:53). For a more comprehensive treatment of the prehistory and history of this region see Archaeological Evaluations in the Northern Colorado Plateau Cultural Area (Hauck 1991).

Site Potential in the Project Development Zone

Previous archaeological evaluations in the general project area have resulted in the identification and recording of a variety of cultural resource sites having eligibility for potential nomination to the National Register of Historic Places (NRHP). The majority of these sites are lithic scatters containing cobble reduction materials. Many of these quarry sites are of the "Tap and Test" variety, and extend for tens or hundreds of meters. Open occupations are also frequently being identified in this locality. Sites associated with the open rangeland generally appear to have been occupied during the Middle Plains Archaic Stage with occasional indications of Paleoindian activity based on the recovery of isolated Plano style projectile points. The north-south drainage canyons appear to contain the majority of Late Prehistoric (Numa) sites probably because those canyon floors were transportation corridors and convenient pastures for the Ute horse herds. Evidence of Formative Stage occupation, i.e., Fremont, is rarely observed in the rangeland environment but is common within the Green River and White River canyons and their primary tributary canyons.

Site density in certain portions of the region appears to range from one to six sites per section. These densities increase in the canyon bottoms due to Ute rock art loci. Recent evaluations indicate that the site densities may reach 8 to 12 sites per section in certain localities on the upper benches which were apparently favored for hunting, lithic resource procurement, and camping. Prehistoric sites on the rangeland benches appear to be associated with water courses and aeolian deposits.

FIELD EVALUATIONS

Methodology

Intensive evaluations consisted of the archaeological team walking a series of 10 to 20 meter-wide transects within each ten acre well location which includes the staked pad and an appropriate buffer zone around the well. The archaeologists also examined 100 foot-wide corridors centered on each flagged access centerline by walking similar transects. The accumulated acreage for these access transects and the four well locations contain a total of 59.4 acres.

Observation of cultural materials results in intensive examinations to determine the nature of the resource (isolate or activity locus, i.e., site). The documentation of each specific cultural site results in its subsequently being sketched, photographed, transit mapped, and appropriately recorded on standardized site forms.

Cultural sites are then evaluated by the Principal Investigator for depth potential utilizing AERC's portable ground penetrating radar (GPR) computerized system (SIR-2 manufactured by Geophysical Survey Systems, Inc. [GSSI] of North Salem, New Hampshire). Radar assessment within archaeological sites is accomplished by one team member pulling the radar antenna across the site's surface while the Principal Investigator "reads" data directly observable on a battery powered computer's monitor that is directly linked to the antenna. GPR is a valuable tool for determining the presence and density of any buried materials, features or strata whether cultural or natural, but it is particularly valuable in ascertaining archaeological depth potential on a site because it provides an immediate view on the computer of the buried strata and features. In addition, ground penetrating radar is a non-intrusive and non-destructive method of verifying site depth potential -- an important consideration in ensuring the protection and integrity of the rare, non-replaceable, non-renewable cultural resources.

With depth of deposit and feature/strata information provided by GPR, the standards described in the section below are used by the Principal Investigator to establish site significance. When GPR data reflecting the buried potential of the resource coupled with the Principal Investigator's surface evaluation of the site results in the determination that the site is a significant resource, i.e., it satisfies one or more of the criteria established in Title 36 CFR 60 as explained below, the Principal Investigator develops one or more mitigation actions as recommendations that can aid federal and state cultural resource administrators in facilitating the preservation of significant resources which may be situated within the potential development zone.

Site Significance Criteria

Prehistoric and historic cultural sites which can be considered as eligible for nomination to the National Register of Historic Places have been outlined as follows in the National Register's Criteria for Evaluation as established in Title 36 CFR 60.6:

The quality of significance in American ... archaeology ... and culture is present in ... sites ... that possess integrity of location, design, setting, materials, workmanship, feeling, and association and:

- a. That are associated with events that have made a significant contribution to the broad patterns of our history; or*
- b. that are associated with the lives of persons significant in our past; or*
- c. that embody the distinctive characteristics of a type, period, or method of construction ... ; or*
- d. that have yielded, or may be likely to yield, information important in prehistory or history.*

In addition to satisfying one or more of these general conditions, a significant cultural resource site in Utah will generally be considered as being eligible for inclusion in the National Register if it should advance our current state of knowledge relating to chronology, cultural relationships, origins, and cultural life ways of prehistoric or historic groups in the area.

In a final review of any site's cultural significance, the site must possess integrity and at least one of the above criteria to be considered eligible for nomination to the National Record of Historic Places.

Results of the Inventory

No newly identified prehistoric cultural resource activity loci were observed and recorded during the archaeological evaluations.

No previously identified and recorded significant or National Register sites were noted during the survey; Balcron's proposed development of these four well locations will not have any adverse effect on existing known cultural resources situated in this locality.

No diagnostic isolated artifacts were observed or recorded during the evaluation. One core flake fragment, possibly the results of a prehistoric "tap and test" episode was observed within the ten acre parcel associated with Monument State Unit 23-16-9-17B.

No paleontological loci were identified during the evaluations.

CONCLUSION AND RECOMMENDATIONS

No known significant cultural resources will be adversely impacted during the development and operation of the four proposed Balcron Oil Division well locations and access routes as identified in this report.

AERC recommends that a cultural resource clearance be granted to Balcron Oil Division relative to the development of these proposed wells and access routes based upon adherence to the following stipulations:

1. all vehicular traffic, personnel movement, construction and restoration operations should be confined to the flagged areas and corridors examined as referenced in this report, and to the existing roadways;
2. all personnel should refrain from collecting artifacts and from disturbing any significant cultural resources in the area; and
3. the authorized official should be consulted should cultural remains from subsurface deposits be exposed during construction work or if the need arises to relocate or otherwise alter the location of the exploration area.



F. Richard Hauck, Ph.D.
President and Principal Investigator

REFERENCES

Fike, Richard E. and H. Blaine Phillips II

- 1984 "A Nineteenth Century Ute Burial from Northeast Utah." Cultural Resource Series No. 16, Bureau of Land Management, Salt Lake City.

Hauck, F. Richard

- 1981 Cultural Resource Inventory of Nine Proposed Well Locations and Access Roads in the Coyote Basin Locality of Uintah County, Utah, and in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Diamond Shamrock, DS-81-2, Archeological-Environmental Research Corporation, Bountiful.
- 1982 Cultural Resource Inventory of Five Proposed Well Locations and Access Roads in the Eightmile Flat and Castle Peak Localities of Uintah and Duchesne Counties, Utah. Report Prepared for Diamond Shamrock, DS-82-5, Archaeological-Environmental Research Corporation, Bountiful.
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- 1992a Cultural Resource Evaluations of Four Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-2, Archeological-Environmental Research Corporation, Bountiful.
- 1992b Addendum to Cultural Resource Evaluations of Four Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-4, Archeological-Environmental Research Corporation, Bountiful.

- 1992c Cultural Resource Evaluations of Seven Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-5, Archeological-Environmental Research Corporation, Bountiful.
- 1992d Cultural Resource Evaluation of a Proposed Water Pipeline Corridor in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-6, Archeological-Environmental Research Corporation, Bountiful.
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- 1993a Cultural Resource Evaluation of Nine Proposed Well Locations in the Castle Peak Draw Locality of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-1, Archeological-Environmental Research Corporation, Bountiful.
- 1993b Addendum to Cultural Resource Evaluation of Nine Proposed Well Locations in the Castle Peak Draw Locality of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-2, Archeological-Environmental Research Corporation, Bountiful.
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Hauck, F. Richard and Glade V Hadden

- 1993a Cultural Resource Evaluation of Seven Proposed Well Locations in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-93-4, Archaeological-Environmental Research Corporation, Bountiful.
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- 1993e Cultural Resource Evaluation of Seven Proposed Wells in the Monument Buttes and Pleasant Valley Localities of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-11, Archaeological-Environmental Research Corporation, Bountiful.
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- 1994b Cultural Resource Evaluation of Proposed Water Injection Line Lateral Segments in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-94-4, Archaeological-Environmental Research Corporation, Bountiful.
- 1994c Cultural Resource Evaluation of Proposed Well Locations and Access Routes in the Pariette Draw - Castle Peak Draw - Eight Mile Flat Localities of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-94-9, Archaeological-Environmental Research Corporation, Bountiful.
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- Stokes, W. L.
1977 Physiographic Subdivisions of Utah. Map 43, Utah Geological and Mineral Survey, Salt Lake.

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH

---ooOoo---

IN THE MATTER OF THE APPLICATION	:	NOTICE OF AGENCY ACTION
OF INLAND PRODUCTION COMPANY FOR	:	
ADMINISTRATIVE APPROVAL OF THE	:	CAUSE NO. UIC-204
MONUMENT STATE 13-2, 11-2, AND 31-2	:	
WELLS LOCATED IN SECTION 2,	:	43 047 32563
TOWNSHIP 9 SOUTH RANGE 17 EAST,	:	
S.L.M., DUCHESNE AND UINTAH COUNTIES,	:	
UTAH, AS CLASS II INJECTION WELLS	:	

---ooOoo---

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Inland Production Company for administrative approval of the Monument State 13-2, 11-2 and 31-2 wells, located in Section 2, Township 9 South, Range 17 East, Duchesne and Uintah Counties, Utah, for conversion to Class II injection wells. The proceeding will be conducted in accordance with Utah Admin. R.649-10, Administrative Procedures.

The Douglas Creek Member of the Green River Formation will be selectively perforated for water injection. The maximum injection pressure will be determined on a well by well basis, based on fracture gradient information submitted by Inland.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days of the date of publication of this notice. If such a protest or notice of intervention is received, a hearing will be scheduled before the Board of Oil, Gas and Mining. Protestants and/or intervenors should be prepared to demonstrate at the hearing how this matter affects their interests.

DATED this 29th day of January, 1998.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING



John R. Baza
Associate Director, Oil and Gas

**Inland Production Company
State 13-2, 11-2, and 31-2 Wells
Cause No. UIC-204**

Publication Notices were sent to the following:

Salt Lake Tribune
PO Box 867
Salt Lake City, UT 84110

Uintah Basin Standard
268 South 200 East
Roosevelt, Utah 84066

Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal, Utah 84078

Inland Production Company
P.O. Box 1446
Roosevelt, Utah 84066

Inland Production Company
475 17th Street
Denver, Co 80202,



Lorie Szudera
Secretary

January 29, 1998



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210

PO Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

January 29, 1998

Uintah Basin Standard
268 South 200 East
Roosevel, Utah 84066

Gentlemen:

Re: Notice of Agency Action - Cause No. UIC-204

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please send proof of publication and billing to the Division of Oil, Gas and Mining, 1594 West North Temple, Suite 1210, Salt Lake City, Utah 84114-5801.

Sincerely,

A handwritten signature in cursive script, reading 'Lorie Szudera', written over a horizontal line.
Lorie Szudera
Secretary

Enclosure



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
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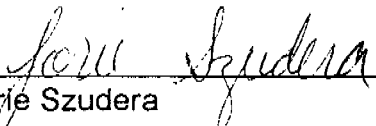
Salt Lake Tribune
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Sincerely,


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Secretary

Enclosure

**Inland Production Company
State 13-2, 11-2, and 31-2 Wells
Cause No. UIC-204**

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Inland Production Company
P.O. Box 1446
Roosevelt, Utah 84066

Inland Production Company
475 17th Street
Denver, Co 80202

Lorie Szudera
Secretary
January 29, 1998

APPLICATION FOR INJECTION WELL - UIC FORM 1

OPERATOR	Inland Production Company
ADDRESS	P.O. Box 790233 Vernal, UT 84079

Well Name and number:		Monument State #31-2-9-17CD			
Field or Unit name:		Monument Butte (Green River) <u>Castile Draw</u>		Lease No. <u>ML-45555</u>	
Well Location: QQ <u>NWNE</u> section <u>2</u> township <u>9S</u> range <u>17E</u> county <u>Uintah</u>					
Is this application for expansion of an existing project? Yes [X] No []					
Will the proposed well be used for:					
		Enhanced Recovery? Yes [X] No []			
		Disposal? Yes [] No [X]			
		Storage? Yes [] No [X]			
Is this application for a new well to be drilled? Yes [] No [X]					
If this application is for an existing well,					
has a casing test been performed on the well? Yes [X] No []					
Date of test: <u>2/18/97</u>					
API number: <u>43-047-32563</u>					
Proposed injection interval: from <u>4783'</u> to <u>5258'</u>					
Proposed maximum injection: rate <u>500 bpd</u> pressure <u>1759</u> psig					
Proposed injection zone contains [] oil, [] gas, and/or [] fresh water within 1/2 mile of the well.					
IMPORTANT: Additional information as required by R615-5-2 should accompany this form.					
List of Attachments: <u>Exhibits "A" through "G"</u>					
I certify that this report is true and complete to the best of my knowledge.					
Name:		<u>Kevin S. Weller</u>		Signature <u></u>	
Title		<u>Senior Reservoir Engineer</u>		Date <u>1/7/98</u>	
Phone No.		<u>(303) 376-8131</u>			
(State use only)					
Application approved by _____				Title _____	
Approval Date _____					
Comments:					

North
↑

43-047-32563

22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS



Access

Top Soil

Wellhead



Pumpjack
with Gas
Engine

Propane

Gas line leaves location.
No meter

Berm

400
Bbl. Oil
Tank

400
Bbl. Oil
Tank

Excess
Gas
vents

Water
Drains

Reserve Pit

3

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
CEMENTING OPERATIONS

WELL NAME: MONUMENT BUTTE STATE 31-2-3-17 API NO: 43-047-32563

QTR/QTR: NW/NE SECTION: 2 TOWNSHIP: 3S RANGE 17E

COMPANY NAME: EQUITABLE RESOURCES COMPANY MAN DAN FARNSWORTH

INSPECTOR: DAVID W. HACKFORD DATE: 2/9 & 10/96

CASING INFORMATION: SURFACE CASING: YES

SIZE: 8 5/8" GRADE: J-55 HOLE SIZE: 12 1/4 DEPTH: 280'

PIPE CENTRALIZED: THREE

CEMENTING COMPANY: B. J. SERVICES

CEMENTING STAGES: SINGLE

SLURRY INFORMATION:

1. CLASS: "B" ADDITIVES: 2% CACL 1/4 LB SX CELLOFLAKE

LEAD : 160 SACKS TAIL:

2. SLURRY WEIGHT LBS. PER GALLON:

LEAD: 15.8 PPG TAIL:

3. WATER (GAL/SX)

LEAD: 5.0 GALLONS PER SACK TAIL:

CEMENT TO SURFACE: YES LOST RETURNS: NO

1 INCH INFORMATION: WEIGHT: CEMENT TO SURFACE:

FEET: SX: CLASS: CACLX: RETURNS:

ADDITIONAL COMMENTS: JOB COMPLETE AND PLUG DOWN AT 12:15 AM
2/19/96. PUMPED 35% EXCESS. CEMENT YIELD 1.14. HOLE STAYED
FULL AFTER COMPLETION OF JOB.



State of Utah
Division of Oil, Gas & Mining (OGM)

**ON-SITE PREDRILL EVALUATION AND REVIEW
FOR
APPLICATION FOR PERMIT TO DRILL (APD)**

OPERATOR EQUITABLE RESOURCES ENERGY COMPANY			
WELL NO. MONUMENT STATE #31-2-9-17CD		LEASE NO. <u>45555</u> ML - <u>3453-B</u>	
API No. 43-047-32563		LEASE TYPE State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>	
PROPOSED LOCATION			
$\frac{1}{4} / \frac{1}{4}$ NW NE	SECTION 2	TOWNSHIP 9 S	RANGE 17 E
COUNTY UINTAH		FIELD UNDESIGNATED 002	
SURFACE 500 FNL 1980 FEL			
BOTTOM HOLE SAME AS SURFACE LOCATION			
GPS COORDINATES 12587755 E 4435373 N			
SURFACE OWNER STATE OF UTAH			
SURFACE AGREEMENT Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		CONFIDENTIAL Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
LOCATING AND SITING			
<input type="checkbox"/>	UAC R649-2-3.	Unit	<input type="text"/>
<input checked="" type="checkbox"/>	UAC R649-3-2.	General	
<input type="checkbox"/>	UAC R649-3-3.	Exception	
<input type="checkbox"/>	UCA 40-6-6.	Drilling Unit	-- Cause No. <input type="text"/>

DRILLING PROGRAM

The following information should be included in the Application for Permit to Drill submitted.

- 1 Surface Formation and Estimated Tops/Geologic Markers
- 2 Estimated Depths and Names of Anticipated Water, Oil, Gas or other Mineral Bearing Formations

(All fresh water sands encountered during drilling shall be recorded and reported to the Division on Form 7.)
- 3 Well Control Equipment & Testing Procedures
- 4 Proposed Casing and Cementing Program
- 5 Mud Program, Circulating Medium, and Monitoring equipment
- 6 Coring, Testing, and Logging Program
- 7 Expected Bottom Hole Pressures and any anticipated Abnormal Pressures, Temperatures or Potential Hazards such as hydrogen sulfide, expectations and contingency plans for mitigating identified hazards
- 8 Any other information relative to the proposed operation.

Onsite Participants:

Dan Farnsworth (Equitable Resources), Dennis Ingram (DOGM), David Hackford (DOGM).

Regional Setting/Topography:

Semi-arid desert habitat. Proposed location is 150' south of Castle Peak Wash which runs west to east. 50' high rocky bluff along south edge of site.

SURFACE USE PLAN:

Current Surface Use: Domestic livestock and wildlife grazing.

Proposed Surface Disturbance: Location will be 275' by 200'

1. Existing Roads Highway 40 to Myton turnoff south on Sand Wash Road to oil Field assecc roads n Monument Butte.
2. Planned Access Roads - include length of new road, length of existing road to be upgraded, maximum disturbed and travel surface widths, maximum grades, turnouts, surface materials, drainage, cattleguards 0.5 miles of new access Road will be required.
3. Location of existing wells within one-mile radius of proposed location, include water, injection, producing, drilling with present status of each well See the attached map from the GIS Database
4. Location of Production Facilities and Pipelines. Pipelines are already in Place. Production facilities will be on the location
5. Location and Type of Water Supply (include Division of Water Rights approval or identifying number). Water will be supplied by truck to the location while Drilling operations are underway.
6. Source of Construction Material. Materials will be borrowed from location Spoil.
7. Waste Management Plan. See part 7 of the surface use plan of the APD. This Plan appears to be complete.

8. Ancillary Facilities, None will be required.
9. Well Site Layout. See the attached plat labeled as Exhibit "L".
10. Surface Restoration Plans, As required by the Division of State Lands.

ENVIRONMENTAL PARAMETERS:

Affected Floodplain and/or Wetlands:

A 404 dredge and fill permit may be required if this site is in or adjacent to a wetland or other established drainage or floodplain. (Contact the Army Corps of Engineers if there are concerns of this nature) No.

Flora/Fauna:

Briefly describe the flora found on the proposed site and the fauna evidenced or sighted on or near the proposed location Vegetation cover consists of shadscale community species: predominately greasewood, saltbrush with some sage. Antelope, rabbit, coyote, small birds, raptors, and reptiles.

SURFACE GEOLOGY

Soil Type and Characteristics: Light brown sand with some clay.

Surface Formation & Characteristics: Uintah formation-south flank of Uintah Mountains.

Erosion/Sedimentation/Stability: Very minor erosion, minor sedimentation, no stability problems anticipated.

Paleontological Potential Observed: None observed.

RESERVE PIT

Characteristics: 150' by 50' and 8' deep.

Lining (Site ranking form attached): A 12 mil liner will be required.

OTHER OBSERVATIONS

Cultural Resources/Archaeology (if proposed location is on State land, has an archaeology clearance been obtained?): An archaeology survey has been ordered and will be provided. Richard Hawk to do survey.

Comments: Presite was performed on a cool windy day with no snow cover.

David W. Hackford

OGM Representative

12/8/95 1:00 PM

Date and Time

STATEMENTS OF BASIS
OGM Review of Application for Permit to Drill (APD)

Company: EQUITABLE RESOURCES

Well Name: CASTLE DRAW 31-2-9-17CD

ENGINEERING/LOCATING and SITING:

The proposed location meets the location and siting requirements of R649-3-2. The application and proposed casing and drilling plan appear to be consistent with accepted industry standards of practice and sound engineering design. A casing design safety check is attached. Blow out prevention and monitoring/contingency plans are adequate.

Signature: F. R. Matthews

Date: 12/19/95

GEOLOGY/GROUND WATER:

The proposed casing and cement program will adequately protect any water encountered.

Signature: D. Jarvis

Date: 12/19/95

SURFACE:

The pre-site inspection of the surface has been performed by field personnel. All applicable management agencies and land owners have been notified and their concerns accommodated where reasonable and possible.

Signature: David W. Hackford

Date: 12/12/95

STIPULATIONS for APD Approval:

- ✓ 1. A 12 mil pit liner will be required in reserve pit. Reserve pit shall be constructed on the south side of location.
- ✓ 2. No other access roads to be developed without approval by State Lands.
- ✓ 3. Any changes to be approved by DOGM.

ATTACHMENTS:

- 1. Photographs of site will be put on file.

**Evaluation Ranking Criteria and Ranking Score
For Reserve and Onsite Pit Liner Requirements**

Site-Specific Factors	Ranking Score	Final Ranking Score
Distance to Groundwater (feet) >200 100 to 200 75 to 100 25 to 75 <25 or recharge area	 0 5 10 15 20	 5
Distance to Surf. Water (feet) >1000 300 to 1000 200 to 300 100 to 200 < 100	 0 2 10 15 20	 0
Distance to Nearest Municipal Well (feet) >5280 1320 to 5280 500 to 1320 <500	 0 5 10 20	 0
Distance to Other Wells (feet) >1320 300 to 1320 <300	 0 10 20	 0
Native Soil Type Low permeability Mod. permeability High permeability	 0 10 20	 10

Fluid Type Air/mist Fresh Water TDS >5000 and <10000 TDS >10000 or Oil Base Mud Fluid containing significant levels of hazardous constituents	0 5 10 15 20	5
Drill Cuttings Normal Rock Salt or detrimental	0 10	0
Annual Precipitation (inches) <10 10 to 20 >20	0 5 10	0
Affected Populations <10 10 to 30 30 to 50 >50	0 6 8 10	0
Presence of Nearby Utility Conduits Not Present Unknown Present	0 10 15	0

Final Score	20
--------------------	----

The summation of all of the above ranking scores will yield one value which shall be used to determine the appropriate type of containment, on a case-by-case basis. The sensitivity levels are as follows:

Level I Sensitivity: For scores totaling ≥ 20
Level II Sensitivity: For scores totaling 15 to 19
Level III Sensitivity: For scores totaling < 15

Containment Requirements According to Sensitivity Level

Level I: Requires total containment by synthetic liner, concrete structure or other type of total containment structure or material.

Level II: Bentonite or other compatible lining is discretionary depending on the fluid to be contained and environmental sensitivity.

Level III: No specific lining requirements.

OTHER GUIDELINES FOR PITS

1. Unlined pits shall not be constructed on areas of fill materials.
2. A pit shall not be constructed in a drainages or floodplain of flowing or intermittent streams.
3. Synthetic liners used for lining reserve pits, shall be of 12 mil thickness or greater and shall be compatible with the fluid to be contained. Synthetic liners used for lining onsite pits with a longer expected life shall be a minimum of 30 mil thickness or as approved by the Division.
4. Synthetic liners shall be installed over smooth fill material which is free of pockets, loose rocks or other materials which could damage the liner.
5. Monitoring systems for pits or closed mud systems may be required for drilling in sensitive areas.

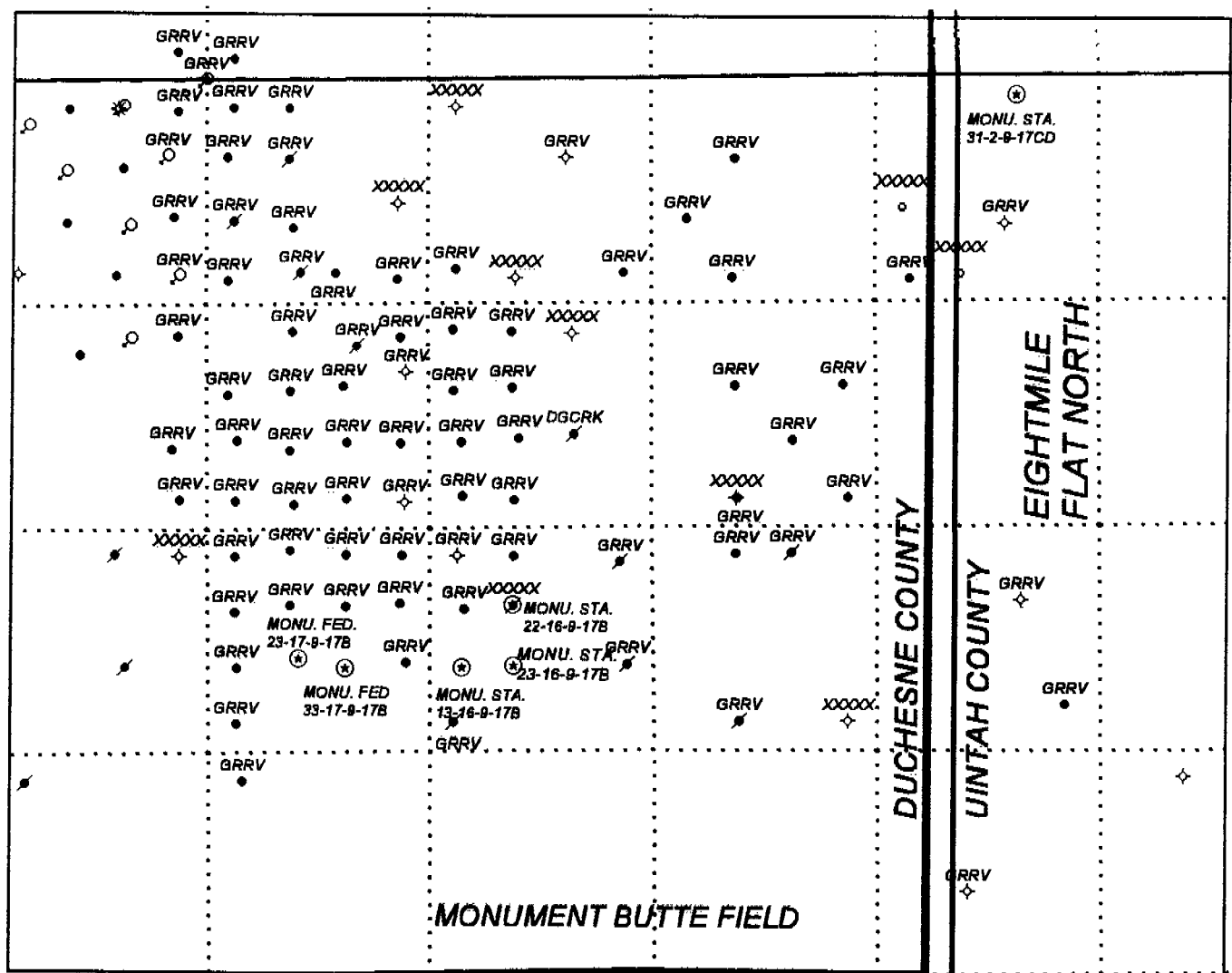
Field: MONUMENT BUTTE & EIGHT MILE FLAT NORTH

Formation: GREEN RIVER

County: DUCHESNE & UINTAH

Field No.: 105 & 570

State Spacing: R649-3-2 & R649-3-3



STATE OF UTAH, DIV OF OIL, GAS & MINERALS

Operator: EQUITABLE RESOURCES CO	Well Name: MON STATE 31-2-9-17CD
Project ID: 43-047-32563	Location: SEC. 02 - T09S - R17E

Design Parameters:

Mud weight (8.90 ppg) : 0.462 psi/ft
 Shut in surface pressure : 2321 psi
 Internal gradient (burst) : 0.066 psi/ft
 Annular gradient (burst) : 0.000 psi/ft
 Tensile load is determined using air weight
 Service rating is "Sweet"

Design Factors:

Collapse : 1.125
 Burst : 1.00
 8 Round : 1.80 (J)
 Buttress : 1.60 (J)
 Other : 1.50 (J)
 Body Yield : 1.50 (B)

Length (feet)	Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost		
1	5,850	5.500	15.50	K-55	ST&C	5,850	4.825		
	Load (psi)	Collapse Strgth (psi)	S.F.	Burst Load (psi)	Min Int Strgth (psi)	Yield S.F.	Tension Load (kips)	Strgth (kips)	S.F.
1	2705	4040	1.494	2705	4810	1.78	90.68	222	2.45 J

Prepared by : MATTHEWS, Salt Lake City, Utah
 Date : 12-19-1995
 Remarks :

Minimum segment length for the 5,850 foot well is 1,500 feet.
 SICP is based on the ideal gas law, a gas gravity of 0.75, and a mean gas
 temperature of 115°F (Surface 74°F , BHT 156°F & temp. gradient 1.400°/100 ft.)
 String type: Production
 The mud gradient and bottom hole pressures (for burst) are 0.462 psi/ft and
 2,705 psi, respectively.

NOTE: The design factors used in this casing string design are as shown above. As a general
 guideline, Lone Star Steel recommends using minimum design factors of 1.125 - collapse (with
 evacuated casing), 1.0 - (uniaxial) burst, 1.8 - API 8rd tension, 1.6 - buttress tension,
 1.5 - body yield tension, and 1.6 - EUE 8rd tension. Collapse strength under axial tension
 was calculated based on the Westcott, Dunlop and Kemler curve. Engineering responsibility
 for use of this design will be that of the purchaser.
 Costs for this design are based on a 1987 pricing model. (Version 1.07)



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor
Ted Stewart
Executive Director
Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, Utah 84114-5801
801-538-5340
801-359-3940 (Fax)
801-538-7223 (TDD)

February 2, 1998

Inland Production Company
410 Seventeenth Street, Suite 700
Denver, Colorado 80202

Re: Monument State 11-2, 13-2 and 31-2 wells, Castledraw Unit Section 2, Township 9 South, Range 17 East, Duchesne and Uintah Counties, Utah

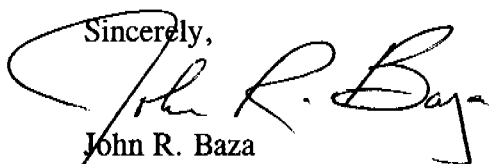
Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced wells to Class II injection wells. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Inland Production Company.
3. A radioactive tracer survey will be run six months after the well commences injection. This survey will be run to help determine if there is communication with other productive intervals outside the Castledraw unit area. If with test results it is determined that there is communication, injection shall cease until the unit is expanded to include the effected wells outside the existing unit.

If you have any questions regarding this approval or the necessary requirements, please contact Dan Jarvis at this office.

Sincerely,


John R. Baza
Associate Director, Oil and Gas

cc: Jim Cooper, SITLA (w/attachments)
Dan Jackson, Environmental Protection Agency
Bureau of Land Management, Vernal
Inland Production Company, Roosevelt

DIVISION OF OIL, GAS AND MINING
UNDERGROUND INJECTION CONTROL PROGRAM

PERMIT
STATEMENT OF BASIS

Applicant: Inland Production Company
Location: 2/9S/17E

Well: Monument State 31-2
API: 43-013-32563
047

Ownership Issues: The proposed well is located on lands administered by the School Institutional Trust Lands Administration (SITLA). SITLA and the BLM are the only surface owners in the one-half mile radius of the well. SITLA and the BLM are the mineral owners. Inland holds all leases in section 2 which was approved as a waterflood project (Castledraw Unit cause # 228-3). Mineral leases outside the unit and within the one-half mile radius are held by Inland and various other individuals. Inland has submitted an affidavit stating that all owners and interest owners have been notified of their intent to convert the well to an injection well.

Well Integrity: The well proposed for injection is the Monument State 31-2. The well has surface casing set at 261 feet and is cemented to surface. A 5 ½ inch production casing is set at 5847 feet and has a cement top at approximately 1300 feet. A cement bond log verifies adequate bond well above the injection zone. A 2 7/8 inch tubing and packer will be set at 5154 feet. A mechanical integrity test will be run on the well prior to injection. There are 4 producing wells and 2 injection wells in the area of review. All of the wells have adequate casing and cement. No corrective action will be required.

Ground Water Protection: The base of moderately saline water is at a depth of approximately 1300 feet to 2000 feet. The proposed injector and all wells in the area of review have cement tops above the base of moderately saline water. Injection shall be limited to the interval between 4783 feet and 5258 feet in the Green River Formation. Information submitted by Inland indicates that the fracture gradient for the 31-2 well is .77 psig/ft., which was the lowest reported fracture gradient for the injection zone. The resulting fracture pressure at the proposed uppermost perforation at 4783 feet is 1759 psig. The requested maximum pressure was 1759 psi., the anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected. Water analysis submitted by Inland indicates that the quality of the water in the zone of injection exceeds 20,000 mg/l. The zone is not considered a USDW. The water to be injected is from the Johnson water district, reports indicate the quality of this water to be approximately 900 mg/l.

Oil/Gas& Other Mineral Resources Protection: At the time the Castledraw unit was approved there was no other wells outside the unit area and it was felt that correlative rights were protected. Since that time new wells have been drilled outside the area and are within the one-half mile area of review. Additionally the location of this well places it near the unit boundary and there is one producing well off to the west. Although Inland is the major lease holder in the surrounding acreage, it is felt that allowing injection into this well may not be in the best interest of the mineral owner.

Bonding: The well is bonded with the SITLA.

Actions Taken and Further Approvals Needed: A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard. A casing tubing pressure test will be required prior to injection. It is recommended that the well be conditionally approved. The application is technically complete but the issue of correlative rights should be addressed by Inland prior to granting an approval to inject. SITLA was notified of the possible correlative rights issue. Jim Cooper will contact Inland, additionally I spoke with Kevin Weller of Inland and notified him of our concerns. He said that Inland has plans to unitize the area.

3-2-98, The issue of correlative rights has been discussed with both John Dyer of Inland and Jim Cooper with SITLA. Inland submitted structure maps and sand isopach maps which show that the proposed injection interval does not appear to be connected to the producing interval in wells outside the unit boundary. An agreement has been reached between the SITLA, Inland and Division staff. The Division will stipulate that after 6 months of injection, a radioactive tracer survey will be run to help determine if the zones are in fact not connected. SITLA has agreed to allow injection contingent on the fact that Inland run the tracer survey and move to expand the unit to encompass leases and production outside the unit area. Inland has agreed to the above conditions. Additionally Inland has stated that in their experience with the Monument Butte water floods, effects of the flood generally take up to 12 months. They feel that measures to expand the unit will be underway much sooner than the 12 months. The Division staff recommends approval of the three proposed injectors with the stipulation that Inland run the radioactive tracer survey and initiate a proposal to expand the unit.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

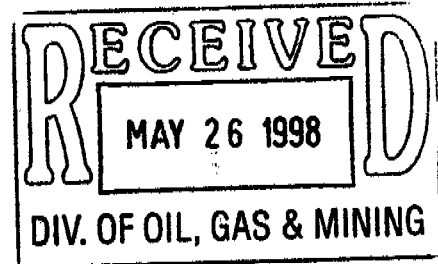
Reviewer(s): D.Jarvis Date: 2/4/98



May 22, 1998

Mr. Dan Jarvis
State of Utah
Division of Oil, Gas & Mining
P. O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Injection Conversion
Monument State #31-2-9-17
Section 2-T9S-R17E
Duchesne County, Utah



Dear Mr. Jarvis:

Please find attached, Form 3160-5, Sundry Notice and Report on Wells, for work performed on the above referenced well. Should you have any questions, please contact me at (303) 382-4434.

Sincerely,

Debbie E. Knight
Manager, Regulatory Compliance

cc: Mr. Edwin Forsman, BLM

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

ML-45555

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

NA

8. Well Name and No.

UNDESIGNATED 31-2-9-17CD

9. API Well No.

43-047-32563

10. Field and Pool, or Exploratory Area

UNDESIGNATED

11. County or Parish, State

UINTAH COUNTY, UTAH

SUBMIT IN TRIPLICATE

1. Type of Well

☐

Oil
Well

☐

Gas
Well

☒

Other

WIW

2. Name of Operator

INLAND PRODUCTION COMPANY

3. Address and Telephone No.

475 17TH STREET, SUITE 1500, DENVER, COLORADO 80202 (303) 292-0900

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

0500 FNL 1980 FEL

NW/NE Section 2, T09S R17E

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐

Notice of Intent

☒

Subsequent Report

☐

Final Abandonment Notice

TYPE OF ACTION

☐

Abandonment

☐

Recompletion

☐

Plugging Back

☐

Casing Repair

☐

Altering Casing

☐

Other

☐

Change of Plans

☐

New Construction

☐

Non-Routine Fracturing

☐

Water Shut-Off

☒

Conversion to Injection

☐

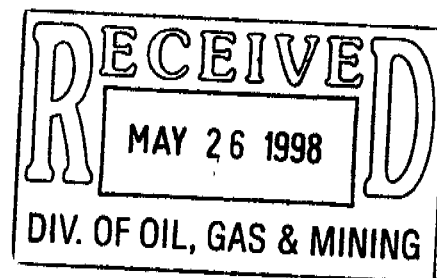
Dispose Water

(Note: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is direction-
ally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The above referenced well was converted from a producing oil well to a water injection well on 5-16-98.
A mechanical integrity was performed, and the casing was tested at 1100 psi for two hours. Please
refer to the following attachments:

1. Daily Workover Report
2. Copy of Chart



14. I hereby certify that the foregoing is true and correct

Signed

Debbie Knight

Title

Manager, Regulatory Compliance

Date

5/22/98

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

CC: UTAH DOGM

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious
or fraudulent statements or representations as to any matter within its jurisdiction.



Daily Workover Report

MONUMENT STATE 31-2-9-17CD
NW/NE Section 2, T09S R17E
UINTAH Co., Utah
API # 43-047-32563

Spud Date: 2/9/96
TD: 5850'
WO Rig: Flint #1455

5/13/98 PO: Injection Conversion. (Day 1)

Summary: 5/12/98 – TP: 10, CP: 45. MIRUSU. Pump 30 bbls production water down casing. Flush flow lines 5 bbls. Pressure tbg to 1300 psi. unseat pump flush rods with 30 bbls . TOOH w/ rods laying them down on trailer. 20 -3/4" rods out rig broke down. SIFN.
DC: \$1,236 TWC: \$1,236

5/14/98 PO: Injection Conversion. (Day 2)

Summary: 5/13/98 – TP: 0, CP: 0. Finish putting rig together. Flush rods with 35 bbls wtr. TOOH w/ rods laying them down. Release tubing anchor. SIFN.
DC: \$1,155 TWC: \$2,391

5/15/98 PO: Injection Conversion. (Day 3)

Summary: 5/14/98 – TP: 0, CP: 0. NU BOP. TOOH w/ tbg breaking ever collar and applying liquid "O" ring. Pick-up packer. TIH w/ tbg. Packer @ 4699'. RD BOP. Pump 40 bbls water down casing. Pump 70 bbls packer fluid down casing. When setting packer it jumped up hole. Had trouble releasing packer. Dump 35 bbls water down tubing. Got packer released. Went to set packer again. Jumped up hole again and was stuck again. Dump 25 bbls water down tubing. Came free again. SIFN.
DC: \$3,602 TWC: \$5,993

5/16/98 PO: Injection Conversion. (Day 4)

Summary: 5/15/98 – TP: 0, CP: 0. NU BOP. TOOH w/ packer and tbg. Pick-up new packer. TIH w/ tbg and packer. ND BOP. Pump 40 bbls production water down casing. Pump 70 bbls packer fluid down casing. Found bad casing from 4748' to 4663' (over sized casing ID). Pump 110 bbls water down casing @ 220*. Found spot 4667' where packer would set. Pump 25 bbls water down tbg @ 90*. Set packer w/ 15000# tension. Pump packer fluid. Test casing to 1050 psi. RDMOSU.
DC: \$10,163 TWC: \$16,156

6 AM

7

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1

2



GRAPHIC CONTROLS CORPORATION
BUFFALO, NEW YORK

CHART NO. M3 M-2000-H
0-150 °F

METER

CHART PUT ON 8 M
TAKEN OFF 10 M

LOCATION *Madison State 31-2*

REMARKS *100 PSI for 2 Hrs.*

Don Shuck

DIFF. IN. WATER
90
80
70
60
50
40
30
20
10
0

TEMPERATURE
135
120
105
90
75
60
45
30
15
0

PRESSURE LBS.
1800
1600
1400
1200
1000
800
600
400
200
0

DIFF. IN. WATER
90
80
70
60
50
40
30
20
10
0

TEMPERATURE
135
120
105
90
75
60
45
30
15
0

PRESSURE LBS.
1800
1600
1400
1200
1000
800
600
400
200
0

DIFF. IN. WATER
90
80
70
60
50
40
30
20
10
0

TEMPERATURE
135
120
105
90
75
60
45
30
15
0

PRESSURE LBS.
1800
1600
1400
1200
1000
800
600
400
200
0

MIDNIGHT



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

1594 West North Temple, Suite 1210
PO Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

Michael O. Leavitt
Governor

Lowell P. Braxton
Division Director

UNDERGROUND INJECTION CONTROL PERMIT

Cause No. UIC-204

Operator: Inland Production Company

Wells: Monument State 31-2

Location: Section 2, Township 9 South, Range 17 East,
County: Uintah

API No.: 43-047-32563

Well Type: Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on February 2, 1998
2. Maximum Allowable Injection Pressure: 1759 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (4783 feet - 5258 feet)

Approved by:


John R. Baza
Associate Director, Oil And Gas

8/4/98
Date

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH

---ooOoo---

IN THE MATTER OF THE APPLICATION
OF INLAND PRODUCTION COMPANY FOR
ADMINISTRATIVE APPROVAL OF THE
MONUMENT STATE 13-2, 11-2, AND 31-2
WELLS LOCATED IN SECTION 2,
TOWNSHIP 9 SOUTH RANGE 17 EAST,
S.L.M., DUCHESNE AND Uintah COUNTIES,
UTAH, AS CLASS II INJECTION WELLS

NOTICE OF AGENCY ACTION

CAUSE NO. UIC-204

---ooOoo---

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.


Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Inland Production Company for administrative approval of the Monument State 13-2, 11-2 and 31-2 wells, located in Section 2, Township 9 South, Range 17 East, Duchesne and Uintah Counties, Utah, for conversion to Class II injection wells. The proceeding will be conducted in accordance with Utah Admin. R.649-10, Administrative Procedures.

The Douglas Creek Member of the Green River Formation will be selectively perforated for water injection. The maximum injection pressure will be determined on a well by well basis, based on fracture gradient information submitted by Inland.

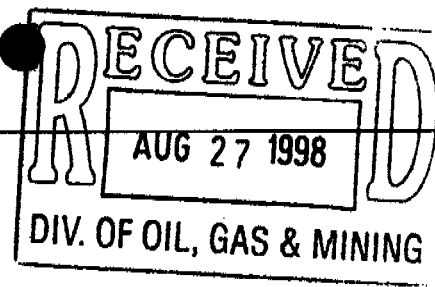
Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days of the date of publication of this notice. If such a protest or notice of intervention is received, a hearing will be scheduled before the Board of Oil, Gas and Mining. Protestants and/or intervenors should be prepared to demonstrate at the hearing how this matter affects their interests.

DATED this 29th day of January, 1998

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING



John R. Baza
Associate Director, Oil and Gas



August 25, 1998

Mr. Dan Jarvis
State of Utah
Division of Oil, Gas & Mining
P. O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Packer Repair/MIT
Monument State #31-2-9-17CD
Castle Draw Unit
Section 2-T9S-R17E
Duchesne County, Utah

Dear Mr. Jarvis:

Please find attached, Form 3160-5, Sundry Notice and Report on Wells, indicating a packer repair and mechanical integrity test for the above referenced well. Should you have any questions, please contact me at (303) 382-4434.

Sincerely,

Debbie E. Knight
Manager, Regulatory Compliance

cc: Mr. Edwin Forsman, BLM

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

ML-45555

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

NA

8. Well Name and No.

MONUMENT STATE 31-2-9-17CD

9. API Well No.

43-047-32563

10. Field and Pool, or Exploratory Area

UNDESIGNATED

11. County or Parish, State

UINTAH COUNTY, UTAH

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil
Well

☐ Gas
Well

☒ Other

WIW

2. Name of Operator

INLAND PRODUCTION COMPANY

3. Address and Telephone No.

475 17TH STREET, SUITE 1500, DENVER, COLORADO 80202 (303) 292-0900

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

0500 FNL 1980 FEL

NW/NE Section 2, T09S R17E

12. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent

☒ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☒ Other **Packer Leak/MIT**

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut-Off

☐ Conversion to Injection

☐ Dispose Water

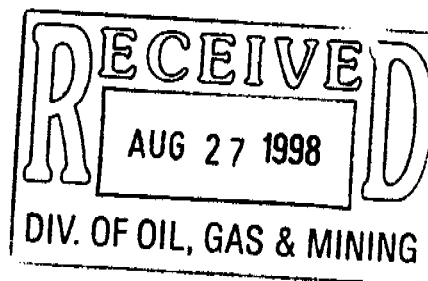
(Note: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is direction-
ally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Repaired packer leak on 8-7-98. A mechanical integrity test was performed on 8-12-98. Casing was tested to 1100 psi for 2 hours - no pressure lost. DOGM and EPA were notified, but did not witness.

Attachments:

1. Daily Workover Report
2. Copy of Chart



14. I hereby certify that the foregoing is true and correct

Signed

Debbie Knight

Title

Manager, Regulatory Compliance

Date

8/25/98

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

CC: UTAH DOGM



Daily Workover Report

MONUMENT STATE 31-2-9-17CD
NW/NE Section 2, T09S R17E
UINTAH Co., Utah
API # 43-047-32563

Spud Date: 2/9/96
POP: 3/11/96
TD: 5850'
WO Rig: Flint #4358

8/7/98 PO: Repair Packer. (Day 1)

Summary: 8/6/98 – TP: 800, CP: 800. MIRUSU. RU BOP. Release packer. TOH w/tbg breaking and applying liquid "O" ring to every pin. TIH w/wireline entry guide, arrow set 1 packer, SN, 153 jts tbg. RD BOP. Circulated 20 bbls wtr down casing. Circulate 85 bbls packer fluid. Set packer @ 4759' w/12,000# tension. Test tbg and csg to 1100 psi w/1 bbl packer fluid. RDMOSU.
DC: \$7,300 TWC: \$7,300

PRINTED IN U.S.A.

NOON

6 PM

11

10

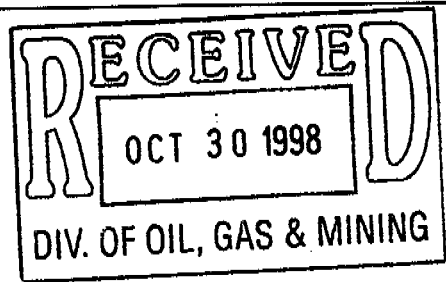
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8

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6 AM

INLAND
GRAPHIC CONTROLS CORPORATION
BUFFALO, NEW YORK
CHART NO. MC MP-2500
METER
8-12-98
CHART PUT ON
11:00 A.M.
LOCATION
MS
TAKEN OFF
M.I.T.
8-21-98
REMARKS
J.D.



October 29, 1998

State of Utah
Division of Oil, Gas & Mining
Attn: Carolyn
1594 West North Temple - Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

Dear Carolyn:

Please find enclosed the Production & Disposition Reports for August 1998. I have changed my computer program so that there will not be wells listed on the reports that haven't gone on production yet. This is one of the items we discussed. The only discrepancies between the models and my reports are wells that have gone on injection. I have looked through our files and it appears that all the paperwork is in order. I have deleted these wells off my reports. They are as follows:

<u>Well Name & Number</u>	<u>Entity #</u>	<u>Date of 1st Injection</u>
Monument Butte #7-26 W W	12187	March 18, 1998 4301331754
Monument Butte #1-26 W W	12187	January 23, 1998 4301331767
Monument State #13-2 W W	12275	April 29, 1998 4301331482
Monument State #31-2 W W	12275	June 4, 1998 4304332563 2-95-17E
Wells Draw #43-5 W W	12276	July 2, 1998 4301330858
Wells Draw #23-34B W W	12276	June 5, 1998 4301331241
Tar Sands #5-30 W W	12308	July 30, 1998 4301331620
Tar Sands #3-28 W W	12391	June 25, 1998 4301331623
Tar Sands #5-28 W W	12391	August 5, 1998 4301331697

Please check your records and let me know if you need any further information for any of these wells. As always, thanks for your assistance. If you have any questions or need further information, please don't hesitate to call me.

Sincerely,

Debbie S. Jones
District Administrator

Enclosures

~~W~~W NGC 12-4G 4301330699 7-2-98
~~W~~W TAR SANDS FED 330 4301331755 7-31-98

/kj

435 646-3721



May 7, 1999

State of Utah
Division of Oil, Gas & Mining
Attn: Dan Jarvis
1594 West North Temple - Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

Dear Dan:

Please find enclosed Step Rate Tests (SRT) results on the Monument State #31-2 injection well. The SRT was conducted by Inland Production Company on May 6, 1999. Due to the results of the SRT Inland is requesting a change in the maximum allowable injection pressure to 1545 psi for the Monument Federal #31-2 in the Castle Draw Unit. The Step Rate Test has been also submitted to Mr. Edwin Hogle with the Environmental Production Agency.

Thank you for your assistance. If you have any questions or need further information, please don't hesitate to call me at (435) 646-3721.

Sincerely,

Brad Mecham
Operations Manager

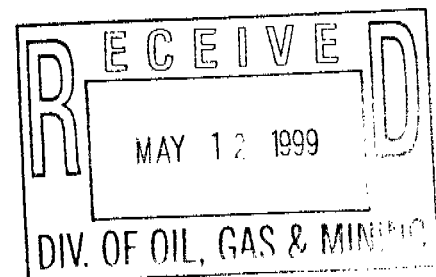
Enclosures

cc: Environmental Protection Agency

/bm

**Approved by the
Utah Division of
Oil, Gas and Mining**
Date: 5/13/99
By: [Signature]

COPY SENT TO OPERATOR
Date: 6-1-99
Analyst: CHD



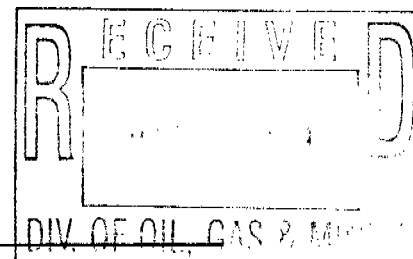
STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

1. SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)		5. LEASE DESIGNATION AND SERIAL NO. ML-45555	
		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME N/A	
OIL <input type="checkbox"/> GAS <input type="checkbox"/> WELL <input type="checkbox"/> WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Injection		7. UNIT AGREEMENT NAME Castle Draw Unit	
2. NAME OF OPERATOR INLAND PRODUCTION COMPANY		8. FARM OR LEASE NAME MONUMENT STATE 31-2-9-17CD	
3. ADDRESS OF OPERATOR Route 3, Box 3630, Myton Utah 84052 (435-646-3721)		9. WELL NO. State 31-2	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface NW/NE 0500 FNL 1980 FEL		10. FIELD AND POOL, OR WILDCAT Monument Butte	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NW/NE Section 2, T09S R17E	
14. API NUMBER 43-047-32563	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5002 GR	12. COUNTY OR PARISH UINTAH	13. STATE UT

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data			
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>	(OTHER) <u>STEP RATE TEST</u>	<input checked="" type="checkbox"/>
(OTHER) <input type="checkbox"/>	<input type="checkbox"/>	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

On May 6, 1999 Inland Production Company conducted a Step-Rate Test (SRT) on the Monument Federal #31-2 injection well in the Castle Draw Unit. Due to the results of the attached SRT Inland is requesting approval to change our Maximum Allowable Injection pressure on the #31-2 injection well to 1545 psi.

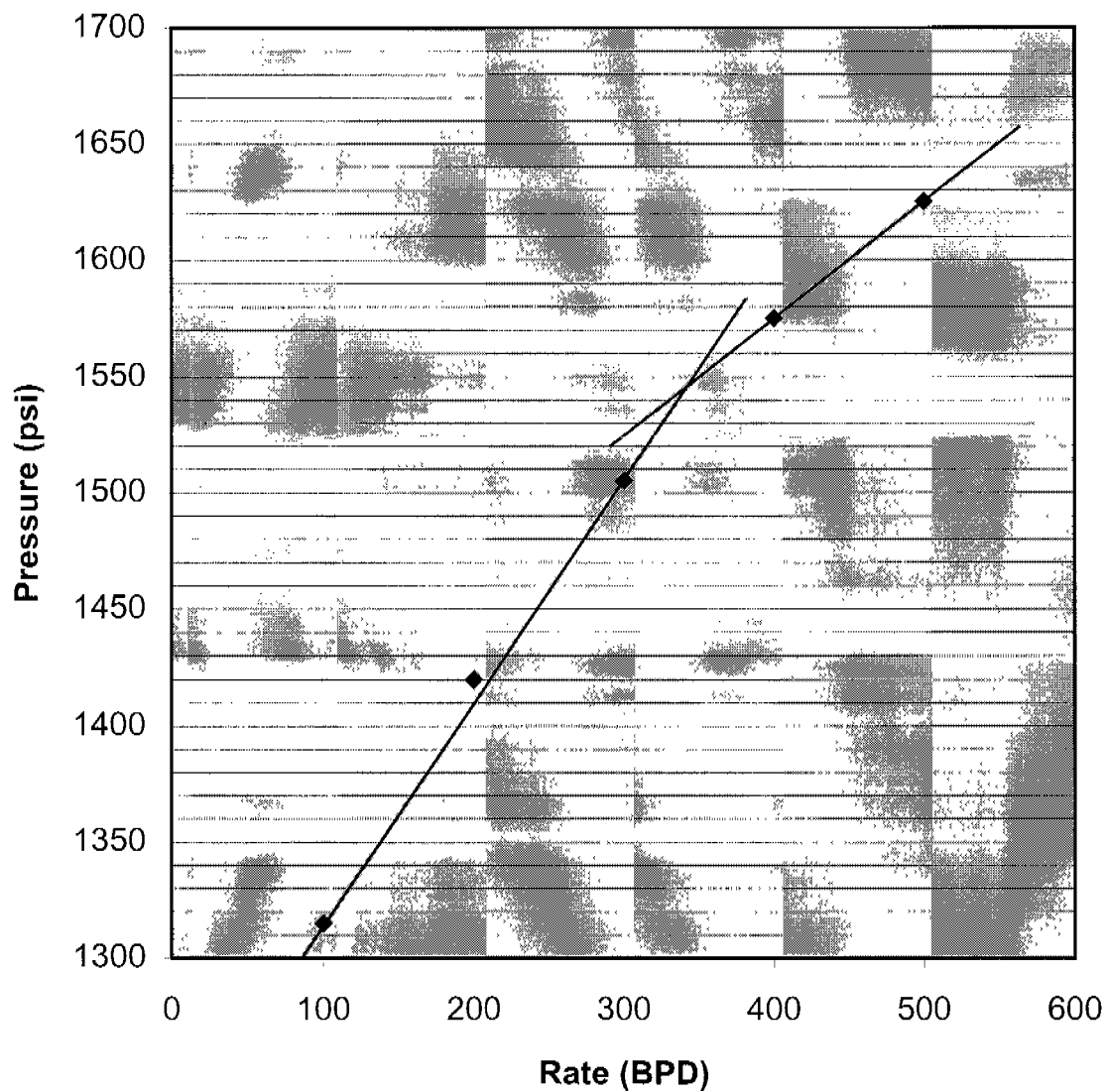


18 I hereby certify that the foregoing is true and correct
SIGNED Brad Mecham TITLE Operations Manager DATE 5/7/99
Brad Mecham

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

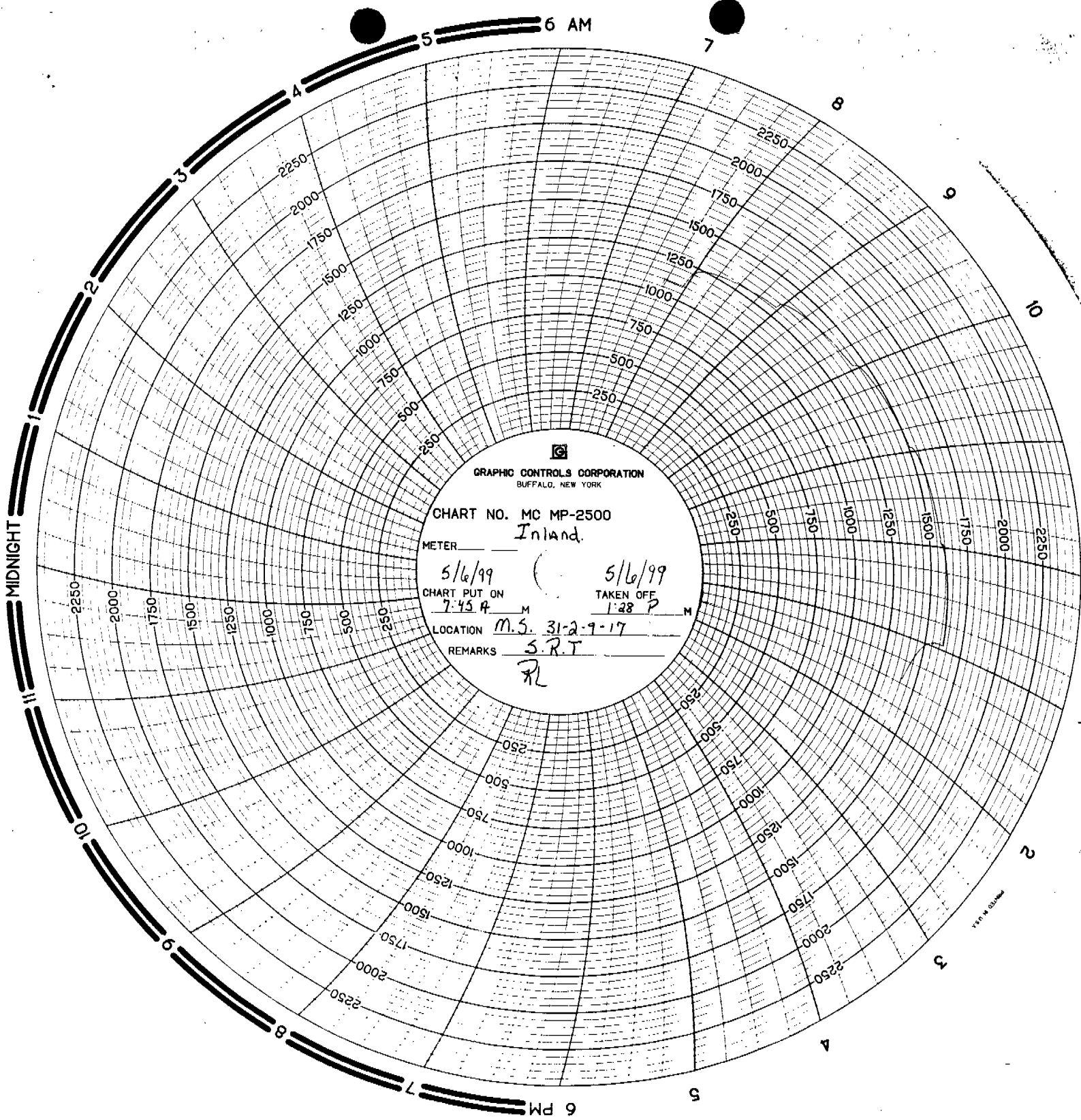
Mudment State 31-2
(Castle Draw unit)
Step Rate Test
May 6, 1999



ISIP: 1560 psi

Fracture pressure: 1545 psi

Step	Rate(bpd)	Pressure(psi)
1	100	1315
2	200	1420
3	300	1505
4	400	1575
5	500	1625



RECEIVED
DIV. OF OIL, GAS & MIN.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

1. SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)		5. LEASE DESIGNATION AND SERIAL NO. ML-45555	
		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME N/A	
OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/>		7. UNIT AGREEMENT NAME CASTLE DRAW	
2. NAME OF OPERATOR INLAND PRODUCTION COMPANY		8. FARM OR LEASE NAME MON ST 31-2-9-17CD	
3. ADDRESS OF OPERATOR Rt. 3 Box 3630, Myton Utah 84052 435-646-3721		9. WELL NO. MON ST 31-2-9-17CD	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface NW/NE Section 2, T9S R17E 500 FNL 1980 FEL		10. FIELD AND POOL, OR WILDCAT MONUMENT BUTTE	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NW/NE Section 2, T9S R17E	
14. API NUMBER 43-047-32563	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5002 GR	12. COUNTY OR PARISH UINTAH	13. STATE UT

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data			
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>	(OTHER) <input checked="" type="checkbox"/> 5 Year MIT	
(OTHER) <input type="checkbox"/>	<input type="checkbox"/>	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

A 5 year MIT was conducted on the subject well. On 7/16/03 Mr. Al Craver w/ EPA was contacted of the intent to conduct a MIT on the casing. On 7/21/03 the casing was pressured to 1085 psi w/no pressure loss charted in the 1/2 hour test. No governmental agencies were able to witness the test.

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY**

18 I hereby certify that the foregoing is true and correct

SIGNED Krishna Russell TITLE Production Clerk DATE 7/22/2003
 Krishna Russell

cc: BLM

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Mechanical Integrity Test

Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
Underground Injection Control Program, UIC Direct Implementation Program 8P-W-GW
999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____ Date: 7 / 21 / 03
Test conducted by: BOB HENZIE
Others present: _____

Well Name: <u>MOMMENT STATE 31-29-17</u>	Type: <u>ER</u> SWD	Status: <u>AC</u> TA UC
Field: <u>CASTLE DRAW UNIT</u>		
Location: <u>NW 1/4</u> Sec: <u>2</u> T <u>9</u> N/S R <u>17</u> E/W County: <u>UTAH</u> State: <u>UT</u>		
Operator: <u>LOANOR</u>		
Last MIT: <u>1</u> / <u>1</u> Maximum Allowable Pressure: <u>1569</u> PSIG		

Is this a regularly scheduled test? ☒ Yes ☐ No

Initial test for permit? ☐ Yes ☒ No

Test after well rework? ☐ Yes ☒ No

Well injecting during test? ☒ Yes ☐ No If Yes, rate: 27 bpd

Pre-test casing/tubing annulus pressure: 0 psig

MIT DATA TABLE		Test #1	Test #2	Test #3
TUBING PRESSURE				
Initial Pressure	<u>1520</u> psig		psig	psig
End of test pressure	<u>1520</u> psig		psig	psig
CASING / TUBING ANNULUS PRESSURE				
0 minutes	<u>1085</u> psig		psig	psig
5 minutes	<u>1085</u> psig		psig	psig
10 minutes	<u>1085</u> psig		psig	psig
15 minutes	<u>1085</u> psig		psig	psig
20 minutes	<u>1085</u> psig		psig	psig
25 minutes	<u>1085</u> psig		psig	psig
30 minutes	<u>1085</u> psig		psig	psig
minutes	psig		psig	psig
minutes	psig		psig	psig
RESULT	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test? ☐ Yes ☐ No

MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: _____

OFFICE USE ONLY - COMPLIANCE FOLLOWUP

Staff: _____ Date: ____/____/____

Do you agree with the reported test results? ☐ YES ☐ NO

If not, why? _____

Possible violation identified? ☐ YES ☐ NO

If YES, what _____

If YES - followup initiated? ☐ YES

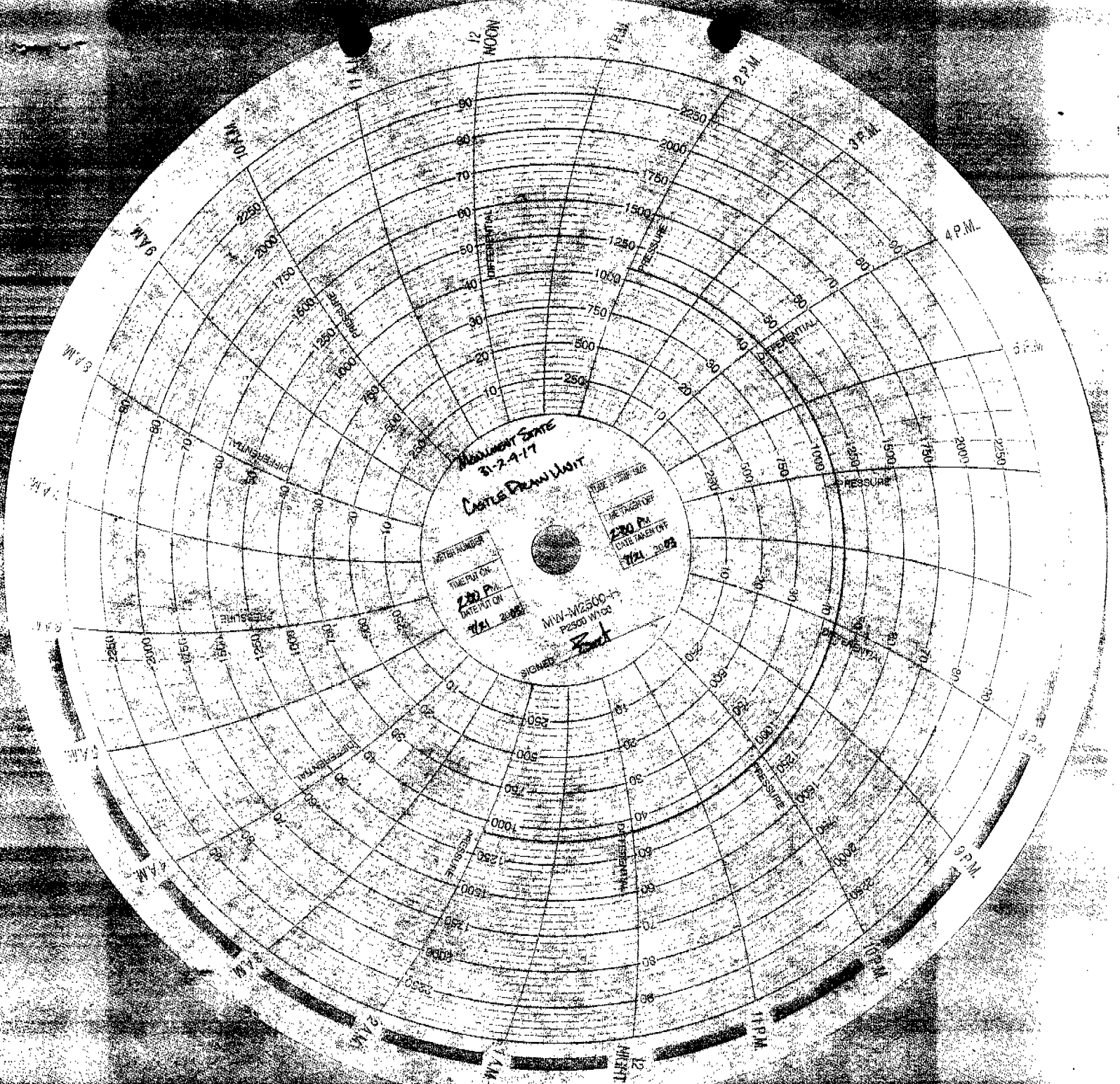
☐ NO - why not? _____

[] Data Entry

☐ Compliance Staff

[] 2nd Data Entry

☐ Hardcopy Filing



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> Injection well		5. LEASE DESIGNATION AND SERIAL NUMBER: ML45555
2. NAME OF OPERATOR: Inland Production Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: CASTLE DRAW UNIT
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 0500 FNL 1980 FEL		8. WELL NAME and NUMBER: CASTLE DRAW 31-2-9-17CD
PHONE NUMBER 435.646.3721		9. API NUMBER: 4304732563
10. FIELD AND POOL, OR WILDCAT: Monument Butte		
QTR/QTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NW/NE, 2, T9S, R17E		COUNTY: Uintah
		STATE: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will <hr/>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: <u>07/16/2004</u>	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Step Rate Test
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

A step rate test was conducted on the subject well on July 12, 2004. Results from the test indicate that the fracture gradient is .808 psi/ft. Therefore, Inland is requesting that the maximum allowable injection pressure (MAIP) be changed to 1785 psi.

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY**

**RECEIVED
JUL 19 2004
DIV. OF OIL, GAS & MINING**

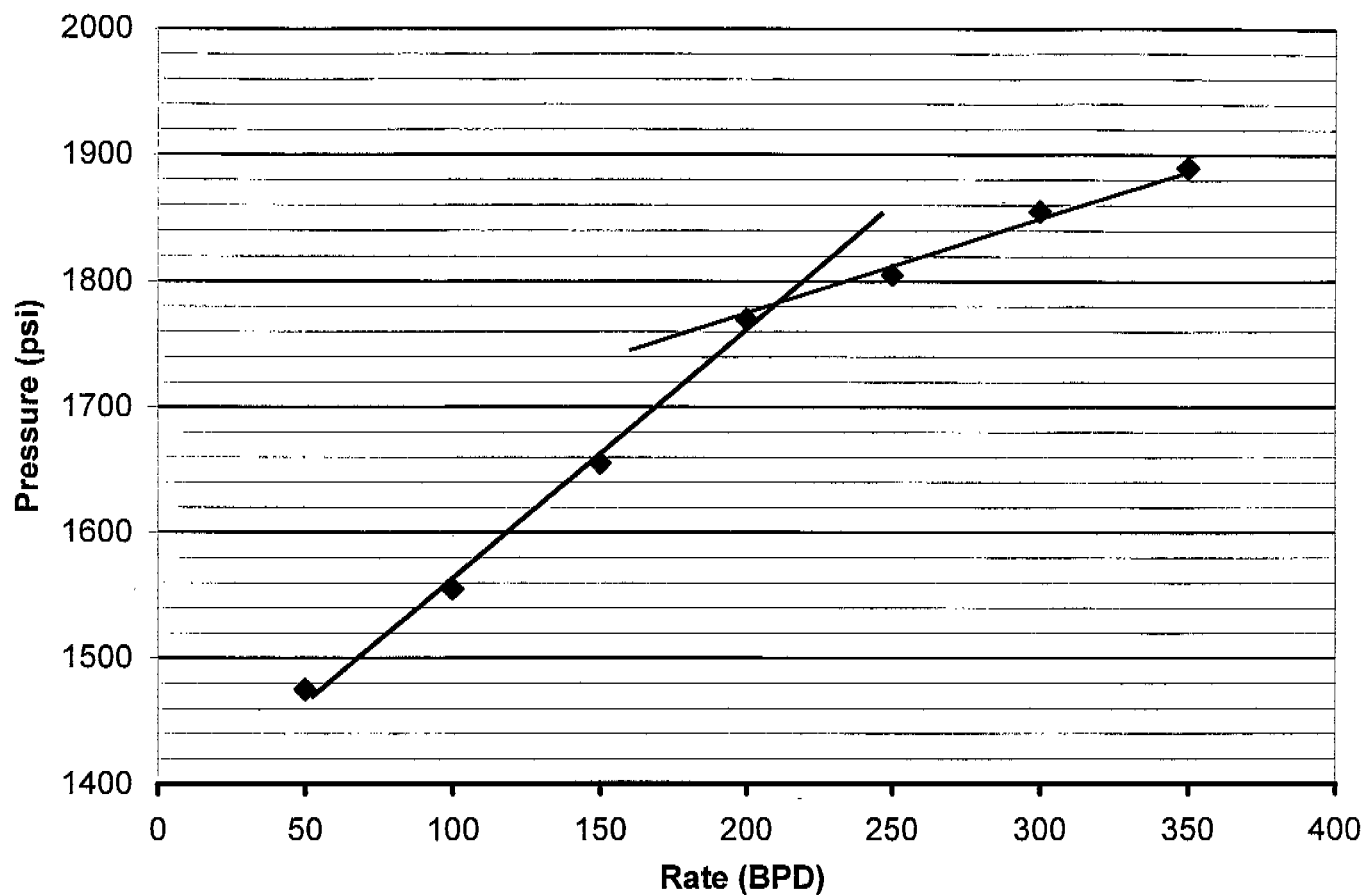
NAME (PLEASE) Mike Guinn

TITLE Engineer

SIGNATURE

DATE July 16, 2004

**Monument State 31-2-9-17
Castle Draw Unit
Step Rate Test
July 12, 2004**



Start Pressure:

1200 psi

Instantaneous Shut In Pressure (ISIP):

1800 psi

Top Perforation:

4783 feet

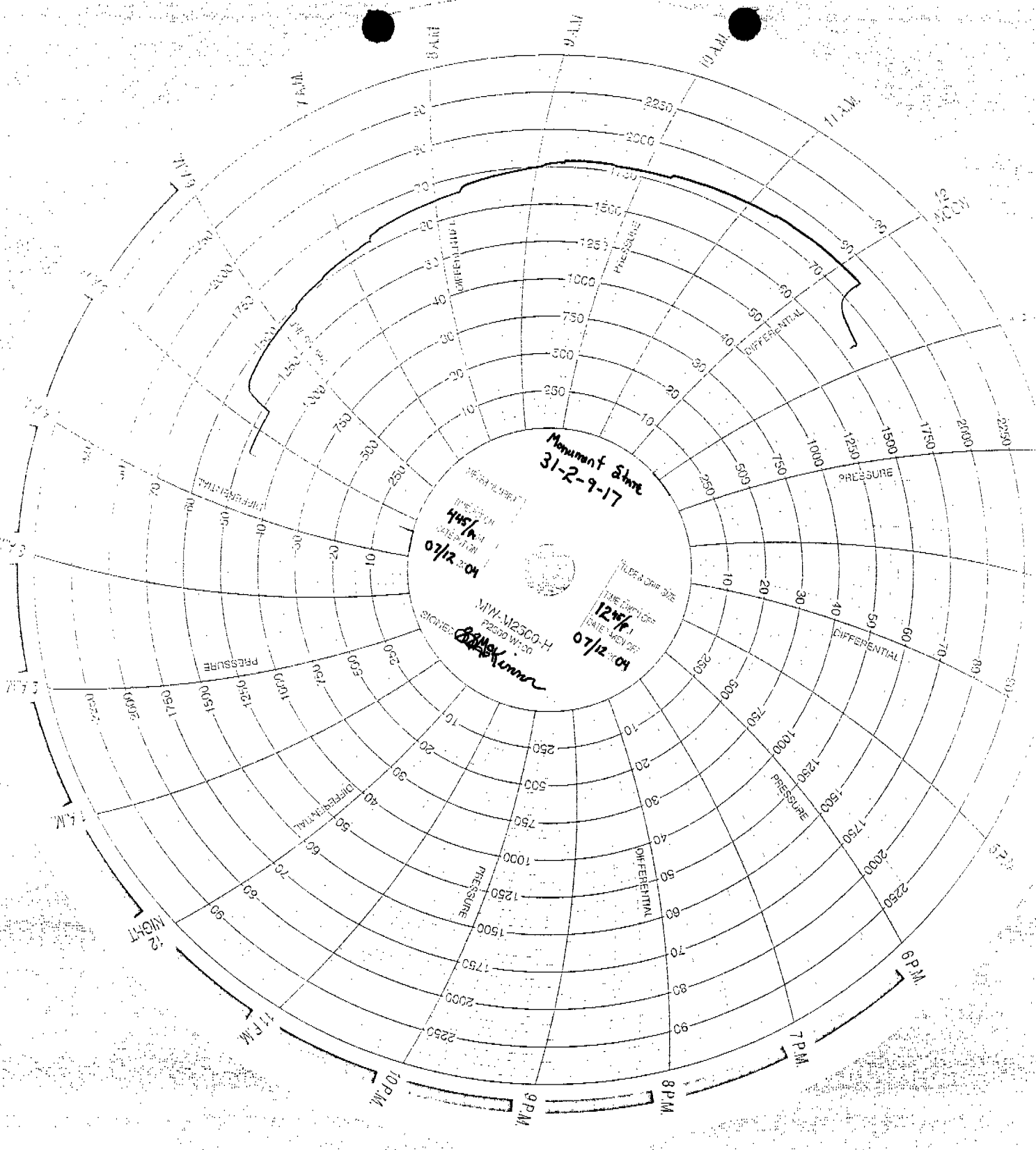
Fracture pressure (P_{fp}):

1785 psi

FG:

0.808 psi/ft

Step	Rate(bpd)	Pressure(psi)
1	50	1475
2	100	1555
3	150	1655
4	200	1770
5	250	1805
6	300	1855
7	350	1890



Monument Stone
31-2-9-17

TIME
4:45 P.M.
DATE
07/12/04

TIME
12:00 P.M.
DATE
07/12/04

MIW-12500-H
22500 W-30

SIGNED: *[Signature]*

TUBER & CHIP SIZE

TIME
12:00 P.M.
DATE
07/12/04

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

Well Name and Number See Attached List		API Number
Location of Well		Field or Unit Name See Attached List
Footage :	County :	Lease Designation and Number
QQ, Section, Township, Range:	State : UTAH	

EFFECTIVE DATE OF TRANSFER: 9/1/2004

CURRENT OPERATOR

Company: Inland Production Company
Address: 1401 17th Street Suite 1000
city Denver state Co zip 80202
Phone: (303) 893-0102
Comments:

Name: Brian Harris
Signature: *Brian Harris*
Title: Engineering Tech.
Date: 9/15/2004

NEW OPERATOR

Company: Newfield Production Company
Address: 1401 17th Street Suite 1000
city Denver state Co zip 80202
Phone:
Comments:

Name: Brian Harris
Signature: *Brian Harris*
Title: Engineering Tech.
Date: 9/15/2004

(This space for State use only)

Transfer approved by: *A. Hunt*Title: *Perk. Services Manager*Approval Date: *9-20-04*

Comments:

Note: Indian Country wells will require EPA approval.

(9/2003)

RECEIVED
SEP 20 2004

DIV. OF OIL, GAS & MINING



Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State

ARTICLES OF AMENDMENT
TO THE
ARTICLES OF INCORPORATION
OF
INLAND PRODUCTION COMPANY

FILED
In the Office of the
Secretary of State of Texas
SEP 02 2004
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE – The name of the corporation is Newfield Production Company."

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1st day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs
Susan G. Riggs, Treasurer

OPERATOR CHANGE WORKSHEET**ROUTING**

1. GLH

2. CDW

3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

X Operator Name Change**Merger**

The operator of the well(s) listed below has changed, effective:

9/1/2004**FROM: (Old Operator):**

N5160-Inland Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

TO: (New Operator):

N2695-Newfield Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

CA No.**Unit:****CASTLE DRAW****WELL(S)**

NAME	SEC TWN RNG			API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
MON ST 14-2	02	090S	170E	4301331425	12275	State	WI	A
MONUMENT ST 12-2	02	090S	170E	4301331481	12275	State	OW	P
MONUMENT ST 13-2	02	090S	170E	4301331482	12275	State	WI	A
MONUMENT ST 11-2-9-17CD	02	090S	170E	4301331685	12275	State	WI	A
CASTLE DRAW 10-2R-9-17	02	090S	170E	4304731195	12275	State	WI	A
MON ST 31-2-9-17CD	02	090S	170E	4304732563	12275	State	WI	A
MONUMENT ST 22-2	02	090S	170E	4304732610	12275	State	WI	A
MONUMENT ST 24-2	02	090S	170E	4304732612	12275	State	OW	P
BALCRON MON ST 23-2	02	090S	170E	4304732613	12275	State	WS	I
MONUMENT ST 21-2-9-17	02	090S	170E	4304732703	12275	State	OW	P
MONUMENT ST 32-2	02	090S	170E	4304732737	12275	State	OW	P
CASTLE DRAW 8-2	02	090S	170E	4304732842	12275	State	D	PA
CASTLE DRAW 1-2-9-17	02	090S	170E	4304732843	12275	State	OW	S
CASTLE DRAW 9-2-9-17	02	090S	170E	4304733238	12275	State	OW	P
CASTLE DRAW 15-2-9-17	02	090S	170E	4304733239	12275	State	OW	P
CASTLE DRAW 16-2-9-17	02	090S	170E	4304733240	12275	State	WI	A

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/20042. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/20043. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/20054. Is the new operator registered in the State of Utah: YES Business Number: 755627-01435. If **NO**, the operator was contacted on:

6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 2/28/2005
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 2/28/2005
3. Bond information entered in RBDMS on: 2/28/2005
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005
5. Injection Projects to new operator in RBDMS on: 2/28/2005
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: UT 0056

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: 61BSBDH2912

FEE & STATE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919

2. The **FORMER** operator has requested a release of liability from their bond on: n/a*

The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

*Bond rider changed operator name from Inland Production Company to Newfield Production Company - received 2/23/05

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:
ML45555

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ OTHER ☐ Injection well

2. NAME OF OPERATOR:
Newfield Production Company

3. ADDRESS OF OPERATOR:
Route 3 Box 3630 CITY Myton STATE UT ZIP 84052 PHONE NUMBER 435.646.3721

4. LOCATION OF WELL:

FOOTAGES AT SURFACE: 0500 FNL 1980 FEL

COUNTY: Uintah

OTR/OTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NW/NE, 2, T9S, R17E

STATE: Utah

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
CASTLE DRAW UNIT

7. UNIT or CA AGREEMENT NAME:
CASTLE DRAW UNIT

8. WELL NAME and NUMBER:
CASTLE DRAW 31-2-9-17CD

9. API NUMBER:
4304732563

10. FIELD AND POOL, OR WILDCAT:
Monument Butte

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____ <input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/STOP) <input type="checkbox"/> RECLAMATION OF WELL SITE <input checked="" type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLAIR <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input type="checkbox"/> OTHER: -	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The subject well was recompleted in the Green River Formation. Three new intervals were perforated the CP2 sds 5638'-5644' w/4 JSPF, CP.5 sds 5550'-5558' w/4 JSPF and the GB6 sds 4308'-4315' w/4 JSPF for a total of 84 shots.

On 3/18/05 Mr. Nathan Wiser w/ EPA was notified of the intent to conduct a MIT on the casing. On 3/24/05 the casing was pressured to 1135 psi w/ no pressure loss charted in the 1/2 hour test. No governmental agencies were able to witness the test.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

NAME (PLEASE PRINT) Krishna Russell

TITLE Production Clerk

SIGNATURE

DATE

(This space for State use only)

RECEIVED

MAR 30 2005

DIV. OF OIL, GAS & MINING

Mechanical Integrity Test

Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
Underground Injection Control Program
999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____ Date: 03/27/05
Test conducted by: Dale Giles
Others present: _____

Well Name: <u>Monument State 31-2-9-17</u>		Type: <u>ER SWD</u>	Status: <u>AC TA UC</u>
Field: <u>Castle Creek</u>			
Location: _____	Sec: <u>2</u>	T <u>9</u> N <u>10</u> W	County: <u>Lincoln</u> State: <u>WY</u>
Operator: <u>Newfield Prod. Co.</u>			
Last MIT: <u>1</u>	Maximum Allowable Pressure: <u>1785</u>	PSIG	

Is this a regularly scheduled test? ☐ Yes ☐ No
Initial test for permit? ☐ Yes ☐ No
Test after well rework? ☒ Yes ☐ No
Well injecting during test? ☐ Yes ☐ No If Yes, rate: _____ bpd

Pre-test casing/tubing annulus pressure: 0 psig

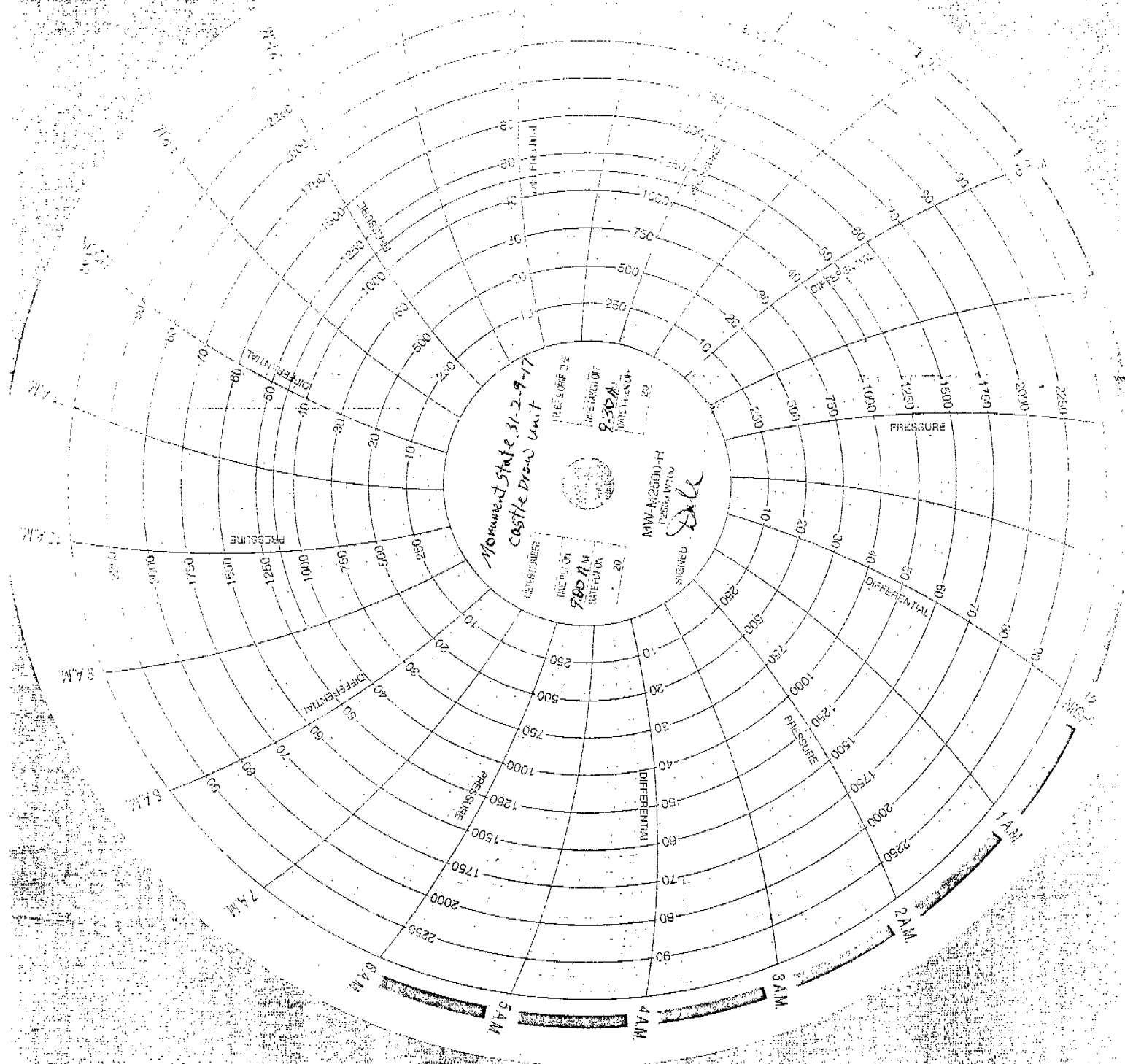
MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING PRESSURE			
Initial Pressure	<u>780</u> psig	psig	psig
End of test pressure	<u>780</u> psig	psig	psig
CASING / TUBING ANNULUS PRESSURE			
0 minutes	<u>1135</u> psig	psig	psig
5 minutes	<u>1135</u> psig	psig	psig
10 minutes	<u>1135</u> psig	psig	psig
15 minutes	<u>1135</u> psig	psig	psig
20 minutes	<u>1135</u> psig	psig	psig
25 minutes	<u>1135</u> psig	psig	psig
30 minutes	<u>1135</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
RESULT	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test? ☐ Yes ☐ No

MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: _____



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NUMBER: UTAH STATE ML-45555
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: GMBU
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 500 FNL 1980 FEL		8. WELL NAME and NUMBER: CASTLE DRAW 31-2-9-17CD
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NWNE, 2, T9S, R17E		9. API NUMBER: 4304732563
COUNTY: UINTAH		10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE
STATE: UT		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/STOP) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLAIR <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: - Five Year MIT
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 02/25/2010			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 02-08-10 Nathan Wiser with the EPA was contacted concerning the 5 year MIT on the above listed well. Permission was given at that time to perform the test on 02-08-10. On 02-25-10 the casing was pressured up to 1040 psig and charted for 30 minutes with no pressure loss. The well was injecting during the test. The tubing pressure was 1326 psig during the test. There was not an EPA representative available to witness the test.

EPA# UT 20776-04427API# 43-047-32563

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY**

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	TITLE Administrative Assistant
SIGNATURE 	DATE 02/25/2010

(This space for State use only)

RECEIVED
MAR 01 2010
DIV. OF OIL, GAS & MINING

Mechanical Integrity Test

Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
Underground Injection Control Program
999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____ Date: 02/25/10
Test conducted by: Dale Giles
Others present: _____

Well Name: <u>Castle Draw 31-2-9-17</u>		Type: <u>ER SWD</u>	Status: <u>AC TA UC</u>
Field: _____			
Location: _____	Sec: <u>2</u>	T <u>9</u> N <u>10</u> R <u>17</u> W	County: <u>Utah</u> State: <u>ut</u>
Operator: <u>Newfield Production Co.</u>			
Last MIT: <u>1</u> / <u>1</u>	Maximum Allowable Pressure: <u>1605</u>		PSIG

Is this a regularly scheduled test? ☒ Yes ☐ No
Initial test for permit? ☐ Yes ☒ No
Test after well rework? ☐ Yes ☒ No
Well injecting during test? ☒ Yes ☐ No If Yes, rate: 40 bpd

Pre-test casing/tubing annulus pressure: 0 psig

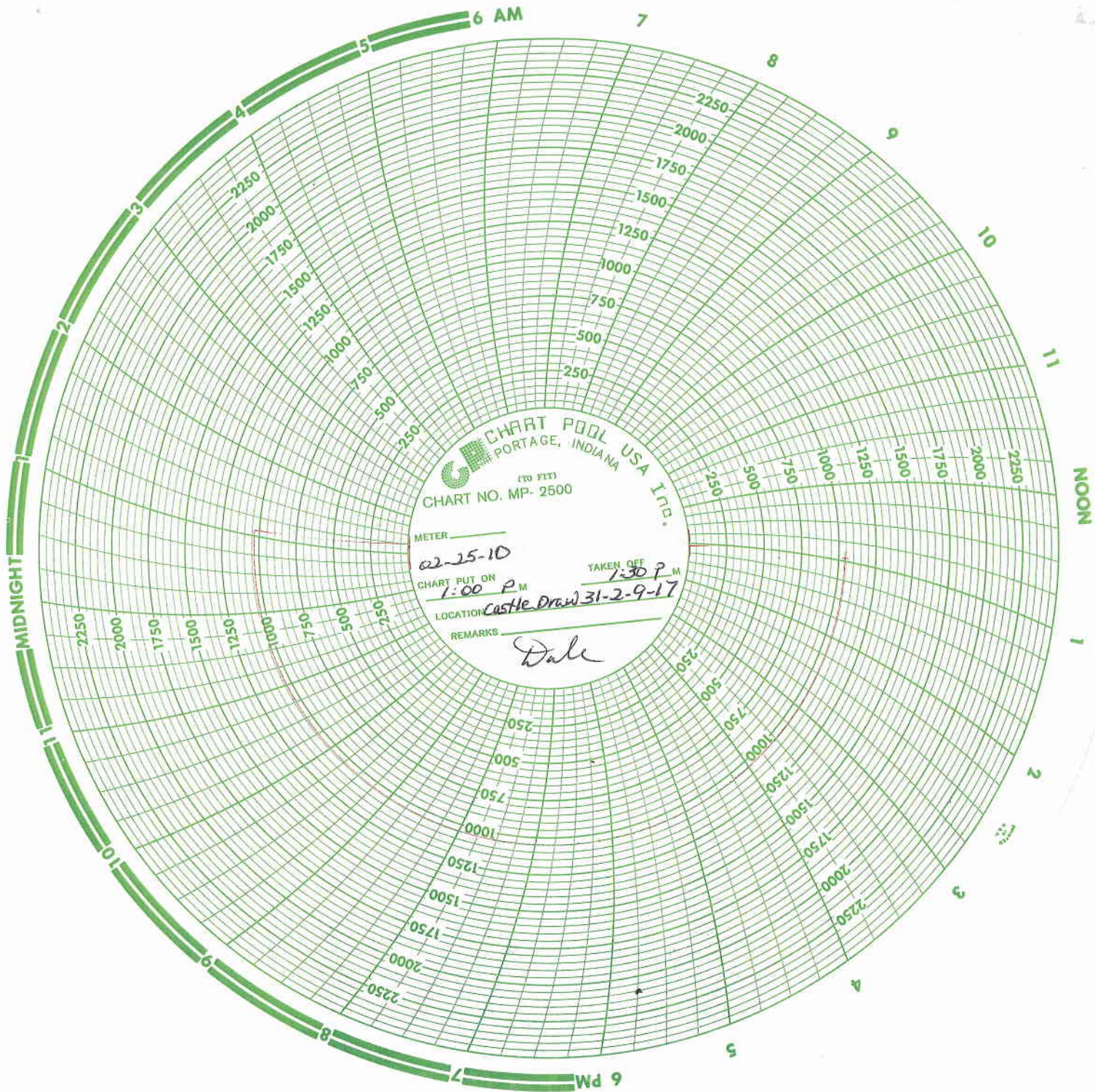
MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING PRESSURE			
Initial Pressure	<u>1326</u> psig	psig	psig
End of test pressure	<u>1326</u> psig	psig	psig
CASING / TUBING ANNULUS PRESSURE			
0 minutes	<u>1040</u> psig	psig	psig
5 minutes	<u>1040</u> psig	psig	psig
10 minutes	<u>1040</u> psig	psig	psig
15 minutes	<u>1040</u> psig	psig	psig
20 minutes	<u>1040</u> psig	psig	psig
25 minutes	<u>1040</u> psig	psig	psig
30 minutes	<u>1040</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
RESULT	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test? ☐ Yes ☒ No

MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: _____



STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-45555
1. TYPE OF WELL Water Injection Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		8. WELL NAME and NUMBER: MON ST 31-2-9-17CD
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0500 FNL 1980 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 02 Township: 09.0S Range: 17.0E Meridian: S		9. API NUMBER: 43047325630000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
COUNTY: UINTAH		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 1/21/2015	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input checked="" type="checkbox"/> OTHER	
	OTHER: <input type="text" value="5 YR MIT"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. 5 YR MIT performed on the above listed well. On 01/21/2015 the casing was pressured up to 1415 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbq pressure was 1611 psig during the test. There was not an EPA representative available to witness the test. EPA #UT22197-04427		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY February 09, 2015		
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 1/22/2015	

Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
Underground Injection Control Program
999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____ Date: 1 1 21 15Test conducted by: Kane Stevenson

Others present: _____

Well Name: <u>Monument State</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Monument Butte</u>		
Location: <u>31</u> Sec: <u>2</u> T <u>9</u> N/S R <u>17</u> E/W	County: <u>Linton</u>	State: <u>UT</u>
Operator: <u>Newfield Exploration</u>		
Last MIT: <u>1</u> / <u>1</u>	Maximum Allowable Pressure: _____	PSIG

Is this a regularly scheduled test? ☒ Yes ☐ No
 Initial test for permit? ☐ Yes ☒ No
 Test after well rework? ☐ Yes ☒ No
 Well injecting during test? ☐ Yes ☒ No If Yes, rate: _____ bpd

Pre-test casing/tubing annulus pressure: Csg - 0 TBG - 1611 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING	PRESSURE		
Initial Pressure	<u>1611</u> psig	psig	psig
End of test pressure	<u>1611</u> psig	psig	psig
CASING / TUBING	ANNULUS PRESSURE		
0 minutes	<u>1409</u> psig	psig	psig
5 minutes	<u>1410</u> psig	psig	psig
10 minutes	<u>1411</u> psig	psig	psig
15 minutes	<u>1412</u> psig	psig	psig
20 minutes	<u>1413</u> psig	psig	psig
25 minutes	<u>1414</u> psig	psig	psig
30 minutes	<u>1415</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
RESULT	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

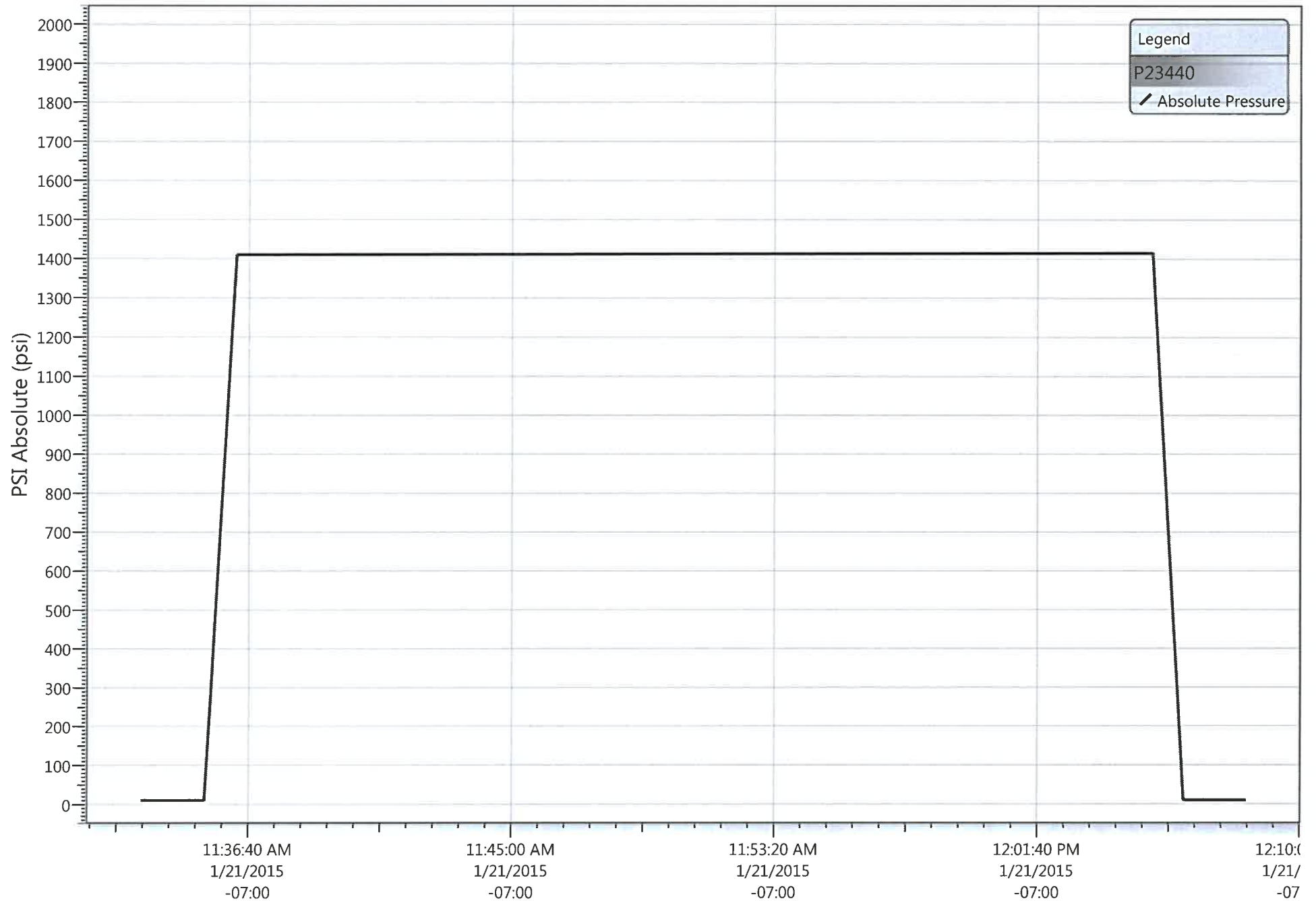
Does the annulus pressure build back up after the test? ☐ Yes ☒ No**MECHANICAL INTEGRITY PRESSURE TEST**

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: _____

Monument State 31-2-9-17 (5 Year MIT) 1/21/2015

1/21/2015 11:32:53 AM



Spud Date: 2/9/96
 Put on Production: 3/11/96
 Put on Injection: 6/4/98
 GL: 5002' KB: 5012'

Monument State 31-2-9-17 CD

SURFACE CASING

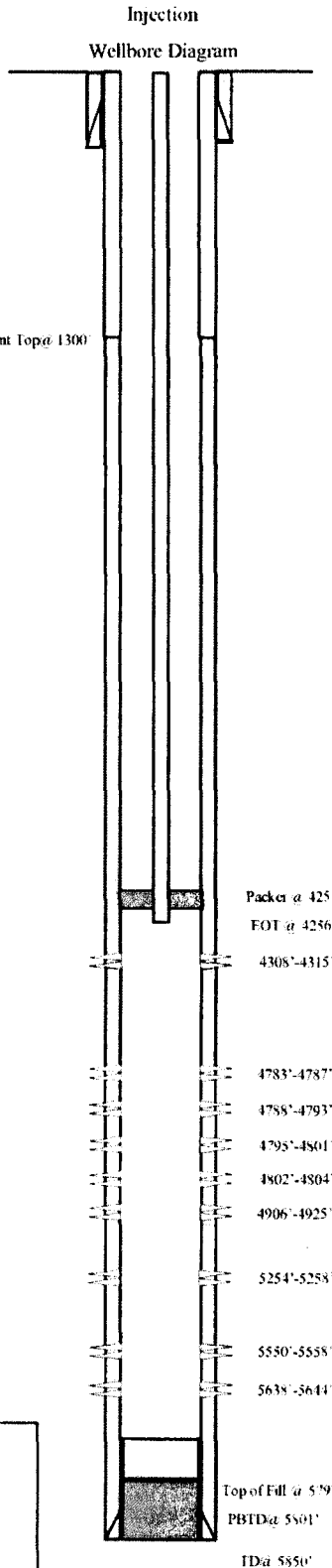
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 6 Jts (252')
 DEPTH LANDED: 262' KB
 HOLE SIZE: 12 1/4"
 CEMENT DATA: 160 sxs Class G cmt.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: K-55
 WEIGHT: 15.5#
 LENGTH: 134 Jts (5837')
 DEPTH LANDED: 5847' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 240 sxs Super G & 430 sxs 50-50 POZ.
 CEMENT TOP AT: 1300' KB

TUBING

SIZE/GRADE/WT: 2-7/8"/6.5#/J55
 NO. OF JOINTS: 137 Jts (4238.02')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 4248.02'
 ARROWSET PACKER: 4251.88'
 TOTAL STRING LENGTH: EOF @ 4255.70' KB



FRAC. JOB

2/22/96 5254'-5258' Frac zone as follows:
 11,520# 20/40 sand @ 12 300# 16/30 sand in
 216 bbls 2% KCl. frac fluid. Avg IP 4000
 psi @ 19.5 BPM, ISIP-4000.

2/27/96 4783'-4925' Frac zone as follows:
 162,940# 20/40 sand in 1104 bbls 2% KCl.
 frac fluid. Avg IP 2500 psi @ 37.3 BPM,
 ISIP-4000.

06-1998 Convert to injection well

3/15/05 5550'-5644' Frac C P2 and .05 sands as follows:
 19,344# 20/40 sand in 185 bbls Lightning
 Frac 17 fluid. Treated @ avg press of 3774
 psi w avg rate of 14.4 BPM. ISIP 1750 psi.
 Calc flush: 1444 gal. Actual flush: 1319 gal

3/16/05 4308'-4315' Frac GB6 sands as follows:
 15,549# 20/40 sand in 145 bbls Lightning
 Frac 17 fluid. Treated @ avg press of 3289
 psi w avg rate of 14.5 BPM. ISIP 2200 psi.
 Calc flush: 1050 gal. Actual flush: 1030 gal

2-25-10 5 YR MIT

PERFORATION RECORD

2/21/96	5254'-5258'	4 JSPE	16 holes
2/27/96	4906'-4925'	1 JSPE	10 holes
2/27/96	4802'-4804'	1 JSPE	02 holes
2/27/96	4795'-4801'	1 JSPE	02 holes
2/27/96	4788'-4793'	1 JSPE	03 holes
2/27/96	4783'-4787'	1 JSPE	02 holes
3/14/05	5638'-5644'	4 JSPE	24 holes
3/14/05	5550'-5558'	4 JSPE	32 holes
3/14/05	4308'-4315'	4 JSPE	28 holes

NEWFIELD

Monument State 31-2-9-17
 500 FNL & 1980 FEL
 NW NE Section 2-T9S-R17E
 Uintah Co, Utah
 API #43-047-32563; Lease #ML-45555